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Eab-F2AGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-F3TT.....AGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-F5GG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-S5T.....CG..A..TA..AA..GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-S6GGG.A..TA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-F1TT.....AGAGGGGAA.TA..AAAAGTCGTAACAAGGT.TTCCGT.AGGT
 Eab-F6TTTAGAGGG.AAGTA..AAAAGTCGTAACAAGGT.TTCCGT.AGGT
 Eab-F7 ..TTCCCTT..T..TTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-S1A.....GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-S2GTCGTAACAAGGT.TTCCGT.AGGT
 Eab-S4GTCGTAACAAGGT.TTCCGT.AGGT

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 Eab-S3A..AA..GTCGTAACAAGGT.TTCCGT.AGGT
 RH2815
 AGKC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGNC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGPC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGBO GCT.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGBB GCT.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGJC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGG ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGCC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGAC..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 CAG2C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGD ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGEC..TTGGTCATTTAGAGG..AAGTATTA...GTCGTAACAAGGT.TTCCGT.AGGT
 AGI ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGL ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT
 AGR
 AGS

 Eab-A1A..AA..GTCG..AACAAGGT.TTCCGT.AGGT
 Eab-A2A..AA..GTCG..AACAAGGT.TTCCGT.AGGT
 Eab-S7A..A...GTCGTAACAAGGT.TTCCGT.AGGT
 68AG8
 K31AG5
 16001AG3
 TPV12MAG9
 HG1HAM6
 TE25AGBI
 1556AG7
 HG1PF10
 HGIIRH165
 AG22IV
 AG22IIIB
 1AAG1
 TharzianumT.....A.G.A..A...GTCGTAACAAGGTCT.CCGTT.GGT

Fig. 1(A)

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Eab-F2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-F3 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-F5 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-S5 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-S6 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-F1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-F6 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-F7 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-S1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T...AGAG.....T.T...G..GT.TG
 Eab-S2 GAA.CCT.GCGGAAGG.ATCATTAA..T.CGAA.TG....AA.CAA..T....G.G.GG...AT....CG..GT.TG
 Eab-S4 GAA.CCT.GCGGAAGG.ATCATTAA..T.CGAA.TG....AA.CAA..T....G.G.GG...AT....CG..GT.TG

521A...G....A.....G.....T...CG..GT.TG
 Eab-S3 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT...AGAG.....T...CG..GT.TG
 RH2815A.....G....AG.....T.TT..G..GT.TG
 AGK GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA..CC...A..C...TT...G.GAG....T...CG..GT.TG
 AGN GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGP GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.CA.C.TT...G.GAG....T...CG..GT.TG
 AGBO GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT...AGAG.....T...CG..GT.TG
 AGBB GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT...AGAG.....T...CG..GT.TG
 AGJ GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGG GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT...GT...AGAG.....T.T...G..GT.TG
 AGC GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGA GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 CAG2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGD GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGE .AAACCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG
 AGI GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...G.GAG....T.TT..G..GT.TG
 AGL GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.CA..T....G.GAG....T.TT..G..GT.TG
 AGRC...GCGGA.GG..TC.TT.....AA.TG....AAT...G....A.A.AGG.....GA.GT.TG
 AGSC...GCGGA.GG..TC.TT.....AA.TG....AAT...G....A.A.AGG.....GA.GT.TG

Eab-A1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.T...T..AAT...GT...AGAG.....T.TT..G..GT.TG
 Eab-A2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.T...T..AAT...GT...AGAG.....T.TT..G..GT.TG
 Eab-S7 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT...G.GAG....T...CG..GT.TG
 68AG8AA...T..TT.....AA.TG....AA....G....AG.....T.T...G..GT.TG
 K31AG5AA...T..TT.....AA.TG....A.....G....G.G.G...ATATTT.G..GT.TG
 16001AG3AA...T..TT...T...AA.TG....AA....G....AG.....TTT.G..GT.TG
 TPV12MAG9AA...T..TT...T...AA.TG....A.....G....GAG.....TTT.G..GT.TG
 HG1HAM6AA...T..TT.....AA.TG..T..A....G....AG.....TT..G..GT.TG
 TE25AGBIAA...T..TT...TT..AA.TG....AA....G....AG.....TTT.G..GT.TG
 1556AG7 .AA.....TTA.....AA.TG..T.....G....GAG.....TT..G..GT.TG
 HG1PF10 GAA...T.....T...AA.TG..T..A....G....AG.....TTT.G..GT.TG
 HGIIRH165 GAA...T.....T...AA.TG..T..A....G....AG.....TTT.G..GT.TG
 AG22IV .AA...T.....TTA.....AA...C...AA..A..G....G.G....TATTTG..GT.TG
 AG22IIIB .AA...T.....TT.AAA..C...AA..A..G....G.G....TATTTG..GT.TG
 1AAG1TTA..TT..AA.TG....A.....G....GAG.....T.T...GA.GT.TG
 Tharzianum GAA.CC.AGCGGA.GGGATCATTACC...GA...G..TTTA..CAAC.T.CCCA.A.A.CCC.....AA.TGTG

Fig. 1(B)

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Eab-F2 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-F3 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-F5 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-S5 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-S6 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-F1 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-F6 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-F7 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC
 Eab-S1 TC...GCTGGC..T...CC...TC..GC.....GG.GAG...C..A..TGTGCAC
 Eab-S2 TC...GCTGGC..TT..C.....T.T..CA.....TT.....G...AGG...C..A..TGTGCAC
 Eab-S4 TC...GCTGGC..TT..C.....T.T..CA.....TT.....G...AGG...C..A..TGTGCAC

 521 TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 Eab-S3 TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 RH2815 T.A..GCTGG..T...CC...CT...AA..TTAA.C.TT.....GGGGGC..A..TGTGCAC
 AGK TC...GCTGGC..T....G...TCTT..A..T.....TT.....GGC.AG...C..A..TGTGCAC
 AGN TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 AGP TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 AGBO TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 AGBB TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC
 AGJ TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC
 AGG TC...GCTGGC.....CC...T.TT.CA.C.T.....GGGG...TA..TGTGCAC
 AGC TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC
 AGA TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC
 CAG2 TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC
 AGD TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC
 AGE TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.CC.A..TGTGCAC
 AGI T...TGCTGGC.....CC...CTT.....T.A...TT.....GGGG.C..A..TGTGCAC
 AGL T...TGCTGGC.....CC...CTT.....T.A...TT.....GGGG.C..A..TGTGCAC
 AGR .A.TGCTGGC.....C..AGGTCT..C...T.....GG...C..A..TGTGCTC
 AGS .A.TGCTGGC.....C..AGGTCT..C...T.....GG...C..A..TGTGCTC

 Eab-A1 T.A..GCTGGC..T...C.....CT...AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC
 Eab-A2 T.A..GCTGGC..T...C.....CT...AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC
 Eab-S7 TC...GCTGGC..T....G...TCTT..A..T.....TT.....GGC.AG...C..A..TGTGCAC
 68AG8 T.A..GCTGG..T...CC.A..T.T...AA..TT.....T.....GGG..C..AA.TGTGCAC
 K31AG5 T.A..GCTGGC..T...C..A..TC...AA..TT.....T.....GGG..C..A..TGTGCAC
 16001AG3 T.A..GCTGGCC.....C..A..T.T...AA..TT.....T.....AGG...C..A..TGTGCAC
 TPV12MAG9 T.A..GCTGGCC.T.....A..T.T..CA...TT.....T.....GGG..C..A..TGTGCAC
 HG1HAM6 T.A..GCTGGCC.....C.GA..T.TT..AA..T.A...TTT.....GG...G...C..A..TGTGCAC
 TE25AGBI T.A..GCTGG..T...CC.A..T.T...AA..T.....TT.....GG...G...C..AAC.GTGCAC
 1556AG7 T.A..GCTGGCC.TT...GA..T.T..CA...T.....TTT..C.TA.....GG...C..A..TGTGCAC
 HG1PF10 T.A..GCTGG..T...CC...CT...AA..TTAA.C.TT.....GG...GGG..C..A..TGTGCAC
 HGIIRH165 T.A..GCTGGC..T...CC...T...AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC
 AG22IV T.A..GCTGGC..T...CC.A..T.T...A.....GTTT.....GG..AG...C..A..TGTGCAC
 AG22IIB T.A..GCTGGC..T...CC.A..T.T...A.....GTTT.....GG..AG...C..A..TGTGCAC
 1AAG1 T...TGCTGGCC.TTT.....TCT...A.CCTTAA...TTTGGC..A.GG..AGGGGGC..A..TGTGCAC
 Tharzianum ..AA.....CCAT..ACC.A.....AAC.T...GTT.G.CCT.CGGC..GGG.....GT.CAC

Fig. 1(C)

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Eab-F2 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-F3 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-F5 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-S5 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-S6 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC.G...TGTGCA.C.T...TGTG
 Eab-F1 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-F6 .AC...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-F7 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-S1 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 Eab-S2 G.CC..T.TT...C.TCT.ATTT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 Eab-S4 G.CC..T.TT...C.TCT.ATTT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG

 521 G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG
 Eab-S3 G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG
 RH2815 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG
 AGK G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.CAC..CCC.TGTGCA.C.T...TGTG
 AGN G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG
 AGP G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG
 AGBO G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.CCT....GTG
 AGBB G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.CCT....GTG
 AGJ G.CC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 AGG G.CC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 AGC G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 AGA G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T.CCC...G
 CAG2 .CCC.T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T.CCC...G
 AGD G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 AGE G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 AGI .ACC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 AGL .ACC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG
 AGR G.C...T.T...CC...GA.....CAA.TC....TTATC.CAT.ACA.CC..TGTGCA.C..AC..TGTG
 AGS G.C...T.T...CC...GA.....CAA.TC....TTATC.CAT.ACA.CC..TGTGCA.C..AC..TGTG

 Eab-A1 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG
 Eab-A2 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG
 Eab-S7 G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.CAC..CCC.TGTGCA.C.T...TGTG
 68AG8 .ACC..T.....CCTCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG
 K31AG5 .ACC..TAT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG
 16001AG3 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTG.AAC.T...TGTG
 TPV12MAG9 .ACC..T.TT...C.TCT..TT....CA..TCCCC.A...CACA.CAC..C..TGTG.AACC....TGTG
 HG1HAM6 .ACC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG
 TE25AGBI .ACC..T.TT...C.TCT..TT....CA..TCC...AT.A.CACA.CAC..C..TGTG.AACC....TGTG
 1556AG7 .ACC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG
 HG1PF10 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CC....TGTG
 HGIIRH165 .ACC..T.TT...C.TCT..TT....CA..TCCC..ATA.CACA.C.C.....TGTGCA.CC....TGTG
 AG22IV .ACC..T.TTTG..C.TCT..TTTTTT.AA.TCC...A...CACA.C.C..CC..TGTG.AACC....TGTG
 AG22IIIB .ACC..T.TTTG..C.TCT..TTTTTT.AA.TCC...A...CACA.CAC..C..TGTG.AACC....TGTG
 1AAG1 .ACC..T.T...C.TCT..TT....CA..TCC...AT...CACA.C.C..CCC.TGTGCA.C.T...TGTG
 Tharzianum G.CCCC.....GGG..T.G.....C..GTC...G.....CA.....GCCCC.G.G.AACC.A....G.G

Fig. 1(D)

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Eab-F2 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-F3 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-F5 AGAC..GG.A.G.G.ACC..G.T.....AA...AAA...TGTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-S5 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-S6 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-F1 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-F6 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-F7 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-S1 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.C.C.G..T.....C.....T...ATT..
 Eab-S2 AGAC..GG.A..T..A...G.T.....A.GT.AAAAAA.GTC..TT.C...G..T.....C.....T.G..T..C..
 Eab-S4 AGAC..GG.A.G.G.ACC..G.T.....AA...AAAA...GTC..TT.CT..G..T.....C.....T.....

 521 AGACT.GG.A.G.G..CC..G.T.....AA...AAA...G.CC.TT.C..AG..T.....C.....T.GC.T..
 Eab-S3 AGACT.GG.A.G.G..CC..G.T.....AA...AAA...G.CC.TT.C..AG..TG...C.....T...A...
 RH2815 AGAC.AG..A..TG.....TTTT.CTA.G..A.....G.....GG.GG...AAG.G.....
 AGK AGACT.GG.A.G...ACC..GGT.....AA...AAAAA...GTC..TT.C..AG..T.....C.....T.GC.....
 AGN AGACTAGG.A.G.G..CC..G.T.....AA...AAA...G.C..TTTC..AG..T.....C.....T.GC.....
 AGP AGACT.GG.A.G.G..CC..G.T.....AA...AAA...G.CC.TT.C..AG..T.....C.....T.GC.....
 AGBO AGACT.GG.A.G...CCC.G.T.....AA...AAA...G.CC.TT.C..AG..T.....C.....T.GC.....
 AGBB AGACT.GG.A.G...CCCC..T.....AA...AAA...G.CC.TT.C..AG..T.....C.....T.GC.....
 AGJ AGAC..GG.A.G.GG.C....TTT...AA.TTA.....GTC..TT.C.C.G..T.....C.....T.....
 AGG AGAC..GG.A.G.GG.C....TTT...AA.TTA.....GTC..TT.C.C.G..T.....C.....T...AT..
 AGC AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG..GGG..C...G.....A..G..
 AGA AGAC..GG.A..T..A...G.T.....A.GT.....CC.TTTC...GG..GGG..C...G.....A..G..
 CAG2 AGAC..GG.A..T..A...G.T.....A.GT.....CC.TTTC...GG..GGG..C...G.....A..G..
 AGD AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG..GGG..C...G.....A..G..
 AGE AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG.....CC.GCG...A..G..
 AGI AGAC..GG.A..T..A...G.T.....A.G.....CCCT..CTC.GG..GGG..C...G.....A..G..
 AGL AGAC..GG.A..T..A...G.T.....A.G.....CCCT..CTC.GG..GGG..C...G.....A..G..
 AGR AG...GGCA..T.....GC.AAGT.....G.CCCTT...A...T.....TT..A...C..
 AGS AG...GGCA..T.....GC.AAGT.....G.CCCTT...A...T.....TT..A...C..

 Eab-A1 AGAC.AG..A..TG.....TTTTG.T..G.....G.....GG..GGG...AAG.G.....
 Eab-A2 AGAC.AG..A..TG.....TTTTG.T..G.....G.....GG..GG...AAG.G.....
 Eab-S7 AGACT.GG.A...G.ACC..GGT.....AA...AAAAA...GTC..TT.C..AG.....C.....T.GC.....
 68AG8 AGAC.AG..A..TGG...GG...G..AA.T.....TT...A.....TT.CA...
 K31AG5 AGGC.AG..A..TGG...GG...AA.T.....TT...A.....TTG.ATTG..
 16001AG3 AGAC.AG..A..TGG...GG...AA.T.....TT...A...T.....TT.ATTG..
 TPV12MAG9 AGAC.AG..A..TGG...G.....AA..A.....TTT...A...T.....TTG..TTGC..
 HG1HAM6 AGGC.AG..AAGTGG...G.....A.....C..TTT.....T.....AA..TT.C...
 TE25AGBI AGAC.AG..A.....C..GG...G.....G.....G.....AA.....
 1556AG7 AGAC.AG...T.....TA.G.....G.....G..TGGG...A.G.G.....
 HG1PF10 AGAC.AG..A..TG.....T...T...T.....T.C.T...AGG..GGGG...AAG.G.....
 HGIIRH165 AGAC.AG..A..TG.....T...T...T.....TG...T.....GG..GGGGG..AAG.G.....
 AG22IV AGGC.AG..A.G...AC.....A..T.....G.....G.ATGGG...AA.....
 AG22IIIB AGGC.AG..A.G...AC.....A.....TG.....G.ATGGG...A.G.....
 1AAG1 AGAC.AG.CAA.T.....A.GT.....TG.....G..TGG...A.....
 Tharzianum ...C..G.C.....CC..G.....C.....C.....GGA.GGG...A..C...CA...

Fig. 1(E)

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Eab-F2 AAACC.....
 Eab-F3 AAACC.....
 Eab-F5 AAACC.....
 Eab-S5 AAACC.....
 Eab-S6 AAACC.....
 Eab-F1 AAACC.....
 Eab-F6 AAACC.....
 Eab-F7 AAACC.....
 Eab-S1 AAACC.....
 Eab-S2 AA...T.....
 Eab-S4

521 AAA..TT..CATAT.....
 Eab-S3 AA...TT..CATAT.....
 RH2815 AA.C.TTTA..T.T....GGA..CC.TA.CT.CT.C.....C...TTGG..A.....
 AGK
 AGN
 AGP
 AGBO
 AGBB
 AGJ
 AGG
 AGCG...TCCGT..CTGCT..A.....
 AGAG...TCCGT..CTGCT..A..TA.....
 CAG2G...TCCGT..CTGCT..A..TA.....
 AGDG...TCCGT..CTGCT..A..TA.....
 AGEG...TCCGT..CTGCT..A..TA.....
 AGIG...TCCGT..CTGCT..A..TA.....
 AGLG...TCCGT..CTGCT..A.....
 AGRT..ACATA.C.A.....CC.TAA.T....A..T.....GG.AA..A..T
 AGST..ACATA.C.A.....CC.TAA.T....A..T.....GG.AA..A..T

Eab-A1 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....CT.....
 Eab-A2 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....CT.....
 Eab-S7
 68AG8.....TTTA..T.T....GGA..CC.....
 K31AG5.....TTT...T.T.TA.AG.AA.C...AA.T..T...G.....G...TG....
 16001AG3.....TTT...T.T.T.T....T...T...G.T..A.ATA..TAAA..G..A.TGA..T
 TPV12MAG9.....TTT...T.T....G.AA....A..T....A....C.AAA..GGC...AA..
 HG1HAM6..AA...TTTA..AT.T....G...T...A.C..C..C...T..C...T.G.....
 TE25AGBI A...TTT...T.T..AT....T...T...TG.TTCAGATAAC.AA.T.G..AATGAAGT
 1556AG7 A..C.TTTA..T.T....GGA..C..T..CT.CT.....
 HG1PF10 AA.C.TTTA..T.T....GGA..CC.TA.CT.CT.C.....C...TTGG.A.....
 HGIIRH165 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....C...T.....
 AG22IV AA.C.TTT.CAT.T.TA.....C..T...T..TT.AG.....G...TGAA.T
 AG22IIIB AA.C.TTT...TAT.T.TA.....C..T...T..T..A.A.AA....T.G..AATGA..T
 1AAG1TTTA..AT.TC.....C...A..T.C..CA..T.....TTG.C..TG...T
 TharzianumAC....C.A.A..A..C..T..CT..TT...T..C...T.G...T.A.GT

Fig. 1(F)

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Eab-F2
 Eab-F3
 Eab-F5
 Eab-S5
 Eab-S6
 Eab-F1
 Eab-F6
 Eab-F7
 Eab-S1
 Eab-S2
 Eab-S4

 521
 Eab-S3
 RH2815CC.....T.....T.CTGTC...T.ACTTAAT.C..TATAT
 AGKT.A...AAT.CCATAT..
 AGNT.A...AATTC.ATAT..
 AGPT.A...AATTC.ATAT..
 AGB0T.A...AATTC.ATAT..
 AGBBT.A...AATTC.ATAT..
 AGJT.ACTTAAT.C.....
 AGGT..C..AA..CC.....
 AGCT.AC.....AT..
 AGAT.A.....C...AT..
 CAG2T.A.....C...AT..
 AGDT.A.....C...AT..
 AGET.A.....C...AT..
 AGIT.A.....C...AT..
 AGLT.A.....C...AT..
 AGRC.G.CACGTG..
 AGSC.G.CACGTG..

 Eab-A1CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAATTC.ATAT..
 Eab-A2CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAATTC.ATAT..
 Eab-S7T.A...AAT.CCATAT..
 68AG8CC.....T.C.....TG.....T.C.....T.ACT.....C.A.AT.T
 K31AG5C.T.GG.A.CCC...T.C...TG.T...CT.....AC.T.....C.A.AT..
 16001AG3 AA.G..T.CATTG..AACCC...T.....T.....CT...GTC...T.ACT.....C.A.A..
 TPV12MAG9 .TGAGTT.ATTGG.A.CCC...T.C...TG.T..CT.....AC.T..C..AATT...A..
 HG1HAM6T.C.T...A.C.....T.C.....AAT.C.....
 TE25AGBI AA...T.C...GGGAACCCC...T.C...TG.T...CT.....AC.T...T.AAT.C.....T
 1556AG7CCC...T.C...T.....CT...GTC...T.ACT.....C.A.AT.T
 HG1PF10C.....T.....T.....CT...GTC...T.ACTTAAT.C...T..
 HGIIRH165CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAAT.....T..
 AG22IV ...GA.TT...GGGA.CCCC...TACCCCT.CTG...T.CT...AC.T..C..AA..C...T..
 AG22IIBT.....GGGA.CCCCCCT.C...TG.....T.C..T.AC.T..C..AA..C...T..
 1AAG1C.....TAC.....T..T.AA.TT...T.AC...AC.....
 TharzianumCCCCC..T.C.....GC.G.....G..ACGT...T.A.TT...T..

Fig. 1(G)

SUBSTITUTE SHEET (RULE 26)

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Eab-F2 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-F3 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-F5 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-S5 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-S6 ...ACAC.A.AA.C.CCC.A.T..CGTAT.TT....AA..GT....T.G.AATGT.AA..TT.G.ATGT
 Eab-F1 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-F6 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-F7 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-S1 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT
 Eab-S2 ...ACA.TA..AA.CT.CC..AAT.TT..A.A.T....AAA.T....CT.G.AATGT.AA..TT.G.ATGT
 Eab-S4 ...ACA.TA..AA.CT.CC..AAT.TT..A.A.T....AAA.T....CT.G.AATGT.AA..TT.G.ATGT

 521 ...ACA..A..A..CT.C..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT
 Eab-S3 ...ACA..A..A..CT.C..A.T.TT..A.ACT....GCA.....CT.G.AATGT.A..CTT.G.ATGT
 RH2815 ...A...A..A..CT.C..AAT.TT..AT..TTT....AAAA.T.....G.AATGT.AA..T..GGATGT
 AGK ...ACA..A..A..C..CC..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.AA..TT.G.ATGT
 AGN ...ACA..A..A..CT.C..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT
 AGP ...ACA..A..A..CT.C..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT
 AGBO ...ACA..A..A..CT.C..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT
 AGBB ...ACA..A..A..CT.C..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT
 AGJ ...ACAC.A.AA.CT.C..A.T.TT..A.A.TT....AAA.....T.T.G.AATGT.AA..TT.G.ATGT
 AGG ...ACAC.A.AA.CT.C..A.T.T..GTAT..TT....AAA.....CT.G.AATGT.AA..TT.G.ATGT
 AGCA..AA.CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT
 AGAA..AA.CT.CC..AATAT...ATA.....AA.....T..GGAATGT.AA..TTTG.ATGT
 CAG2A..AA.CT.CC..AATAT...ATA.....AA.....T..GGAATGT.AA..TTTG.ATGT
 AGDA..AA.CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT
 AGE ...A...TA.....CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT
 AGIA..AA.CT.CC..A.....GTATA.T.....AAA.....T.TTG.AATGTCA..TTTG.ATGT
 AGLA..AA.CT.CC..A.....GTATA.T.....AAA.....T.TTG.AATGTCA..TTTG.ATGT
 AGR ...AC..T.....TGC..G....T.CG....T.....A...TGG...C.....G.....CTT...A...
 AGS ...AC..T.....TGC..G....T.CG....T.....A...TGG...C.....G.....CTT...A...

 Eab-A1 ...A...A..A..CT.C..AAT.TT..AT..TTT....AAAA.....C..GGA.TGT.AA..T..GGATGT
 Eab-A2 ...A...A..A..CT.C..AAT.TT..AT..TTT....AAAA.....C..GGA.TGT.AA..T..GGATGT
 Eab-S7 ...ACA..A..A..C..CC..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.AA..TT.G.ATGT
 68AG8 ...CA.TA.TAAACT.C...AAT.T...TA...TTT....AAAAATG.AA..T.G...T...AA..T..G.ATGT
 K31AG5 ...A...TA.TAAACT.C...AAT.T...TA...TTT..AG.AAA.....T.G.AATGT.AA..T..GGATGT
 16001AG3 CT...CA.TA.TAAACT.C...AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..T..GGATGT
 TPV12MAG9 ...ACA.TA..AA.CT.C..AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT
 HG1HAM6 ...ACAC...AAAC..CC..AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..CT..GGATGT
 TE25AGBI ...CA.TA.TAAACT.C...AAT.T...TA...TTT....AAAAATG.AA..T.G...T...AA..T..GGATGT
 1556AG7 .TTTACAC...AAACT.C...AAT.T...TA..CTTT....AAAA.TG.AA..T.G...T..CA..TT.G.ATGT
 HG1PF10 ...A...TA.TAAACT.C...AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT
 HGIIRH165 ...CA.TA.TAAACT.C...AAT.T...TA...TTTT....AAAA.....C..GGA.TGT.AA..T..GGATGT
 AG22IV CT..A.A.TAC.AAA...CCC.AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT
 AG22IIB CT..A.A.TA.TAAA...CCC.AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..T..GGATGT
 1AAG1 ...ACACT.CTA.....C.....T...TA.A.TTT....AAA.....CT.G.AATGT.AA..TT.G.ATGT
 Tharzianum CTT.ACA.....GC.....T...C.T.....GAGCAAAAA.....TT.....C.....

Fig. 1(H)

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| | | | |
|--------|---------------------------|-------------|---------------------------------|
| Eab-F2 | AACG..CAT.C.A.TTA.GG.AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-F3 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-F5 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S5 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S6 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-F1 | AACG..CAT.C.A.TTAA...AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-F6 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-F7 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S1 | AACG..CAT.C.A.TTA.G..AACT | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S2 | AAC..ACAT.CT..TTA...AACT. | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S4 | AAC..ACAT.CT..TTA...AACT. | end of ITS1 | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |

| | | | |
|--------|---------------------------|---------------|---------------------------------|
| 521 | AACG..CAT.C.A.TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S3 | AACG..CAT.C.A.TTA...CA.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| RH2815 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGK | AACG..CAT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGN | AACG..CAT.C.A.TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGP | AACG..CAT.C.A.TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGBO | AACG..CAT.C.A.TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGBB | AACG..CAT.C.A.TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGJ | AACG..CAT.C.A.TTA.G..AACT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGG | AACG..CAT.C.A.TTA.G..AACT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGC | AACG..CAT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGA | AACGG..AT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| CAG2 | AACGG..AT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGD | AACG..CAT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGE | AACG..CAT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTGC |
| AGI | AAC..ACAT.CTA.T.AA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGL | AAC..ACAT.CTA.T.AA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGR | A...A.A..CTAA..AA...A.C. | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AGS | AA...AC.T...AA..AA...A.C. | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |

| | | | |
|------------|---------------------------|---------------|---------------------------------|
| Eab-A1 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTGCAACACGGATCTCTTGGCTCTCGC |
| Eab-A2 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Eab-S7 | AACG..CAT.CT..TTAA...A.CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| 68AG8 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| K31AG5 | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| 16001AG3 | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| TPV12MAG9 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| HG1HAM6 | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| TE25AGBI | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| 1556AG7 | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| HG1PF10 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| HG1IRH165 | AAC..ACAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AG22IV | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| AG22IIB | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| 1AAG1 | AACG..CAT.CTAAT.A.....CT | [end of ITS1] | AAG.TTTCACAACGGATCTCTTGGCTCTCGC |
| Tharzianum | AA...A.ATG..AAT.....CAA.. | [end of ITS1] | AA.CTTTCACAACGGATCTCTTGGTTCTGGC |

Fig. 1(I)

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F2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
F3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
F5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
F1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
F6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
F7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S21 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
S4 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
A2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
A1 ATCGATGAAA AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
RH2815 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGK ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGN ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGP ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGBO ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGBB ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGJ ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGG ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGC ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGA ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
CAG2 ATCGATGAAG AACGCAGCGA AACCCGATAA GTAATGTGAA TTGCAGAATT
AGD ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGE ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGI ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGL ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGR ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AGS ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
68AG8 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
K31AG5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
16001AG3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
TPV12MAG9 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
HG1HAM6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
TE25AGBI ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
1556AG7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
HG1PF10 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
HGIIRH165 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AG22IV ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
AG22IIB ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
1AAG1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT
THARZIANU ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT

Fig. 1(J)

SUBSTITUTE SHEET (RULE 26)

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F2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
F3 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
F5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
F1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
F6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
F7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
521 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S3 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
S4 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
A2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
A1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
RH2815 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGK CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGN CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGP CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGBO CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGBB CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGJ CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGG CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGC CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGA CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
CAG2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGD CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGE CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGI CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGL CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGR CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AGS CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
68AG8 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
K31AG5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
16001AG3 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
TPV12MAG9 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
HG1HAM6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
TE25AGBI CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
1556AG7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
HG1PF10 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
HGIIRH165 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AG22IV CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
AG22IIB CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT
1AAG1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT..
THARZIANU CAGTGAATCA TCGAATCTTT GAACGCACAT TGCCTCC.GG.. CCAG.TATTC.T.GG

Fig. 1(K)

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F2 GGAGCATGCC TGT TT..GAG..TA TCAT
 F3 GGAGCATGCC TGT TT..GAG..TA TCAT
 F5 GGAGCATGCC TGT TT..GAG..TA TCAT
 S5 GGAGCATGCC TGT TT..GAG..TA TCAT
 S6 GGAGCATGCC TGT TT..GAG..TA TCAT
 F1 GGAGCATGCC TGT TT..GAG..TA TCAT
 F6 GGAGCATGCC TGT TT..GAG..TA TCAT
 F7 GGAGCATGCC TGT TT..GAG..TA TCAT
 S1 GGAGCATGCC TGT TT..GAG..TA TCAT
 521 GGAGCATGCC TGT TT..GAG..TA TCAT
 S3 GGAGCATGCC TGT TT..GAG..TA TCAT
 S7 GGAGCATGCC TGT TT..GAG..TA TCAT
 S2 GGAGCATGCC TGT TT..GAG..TA TCAT
 S4 GGAGCATGCC TGT TT..GAG..TA TCAT
 A2 GGAGCATGCC TGT TT..GAG..TA TCAT
 A1 GGAGCATGCC TGT TT..GAG..TA TCAT
 RH2815 GGAGCATGCC TGT TT..GAG..TA TCAT
 AGK GGAGCATGCC TGT TT..GAG..TA TCAT
 AGN GGAGCATGCC TGT TT..GAG..TA TCAT
 AGP GGAGCATGCC TGT TT..GAG..TA TCAT
 AGBO GGAGCATGCC TGT TT..GAG..TA TCAT
 AGBB GGAGCATGCC TGT TT..GAG..TA TCAT
 AGJ GGAGCATGCC TGT TT..GAG..TA TCAT
 AGG GGAGCATGCC TGT TT..GAG..TA TCAT
 AGC GGAGCATGCC TGT TT..GAG..TA TCAT
 AGA GGAGCATGCC TGT TT..GAG..TA TCAT
 CAG2 GGAGCATGCC TGT TT..GAG..TA TCAT
 AGD GGAGCATGCC TGT TT..GAG..TA TCAT
 AGE GGAGCATGCC TGT TT..GAG..TA TCAT
 AGI GGAGCATGCC TGT TT..GAG..TA TCAT
 AGL GGAGCATGCC TGT TT..GAG..TA TCAT
 AGR GGAGCAGGCC TGT TT..GAG..TA TCAT
 AGS GGAGCAGGCC TGT TT..GAG..TA TCAT
 68AG8 GGAGCATGCC TGT TT..GAG..TA TCAT
 K31AG5 GGAGCATGCC TGT TT..GAG..TA TCAT
 16001AG3 GGAGCATGCC TGT TT..GAG..TA TCAT
 TPV12MAG9 GGAGCATGCC TGT TT..GAG..TA TCAT
 HG1HAM6 GGAGCATGCC TGT TT..GAG..TA TCAT
 TE25AGBI GGAGCATGCC TGT TT..GAG..TA TCAT
 1556AG7 GGAGCATGCC TGT TT..GAG..TA TCAT
 HG1PF10 GGAGCATGCC TGT TT..GAG..TA TCAT
 HGIIRH165 GGAGCATGCC TGT TT..GAG..TA TCAT
 AG22IV GGAGCATGCC TGT TT..GAG..TA TCAT
 AG22IIB GGAGCATGCC TGT TT..GAG..TA TCAT
 1AAG1 GGAGCATGCC TGT TT..GAG..TA TCAT
 Tharzianum CGGGCATGCC TGT..CCGAGCG.. TCAT

Fig. 1(L)

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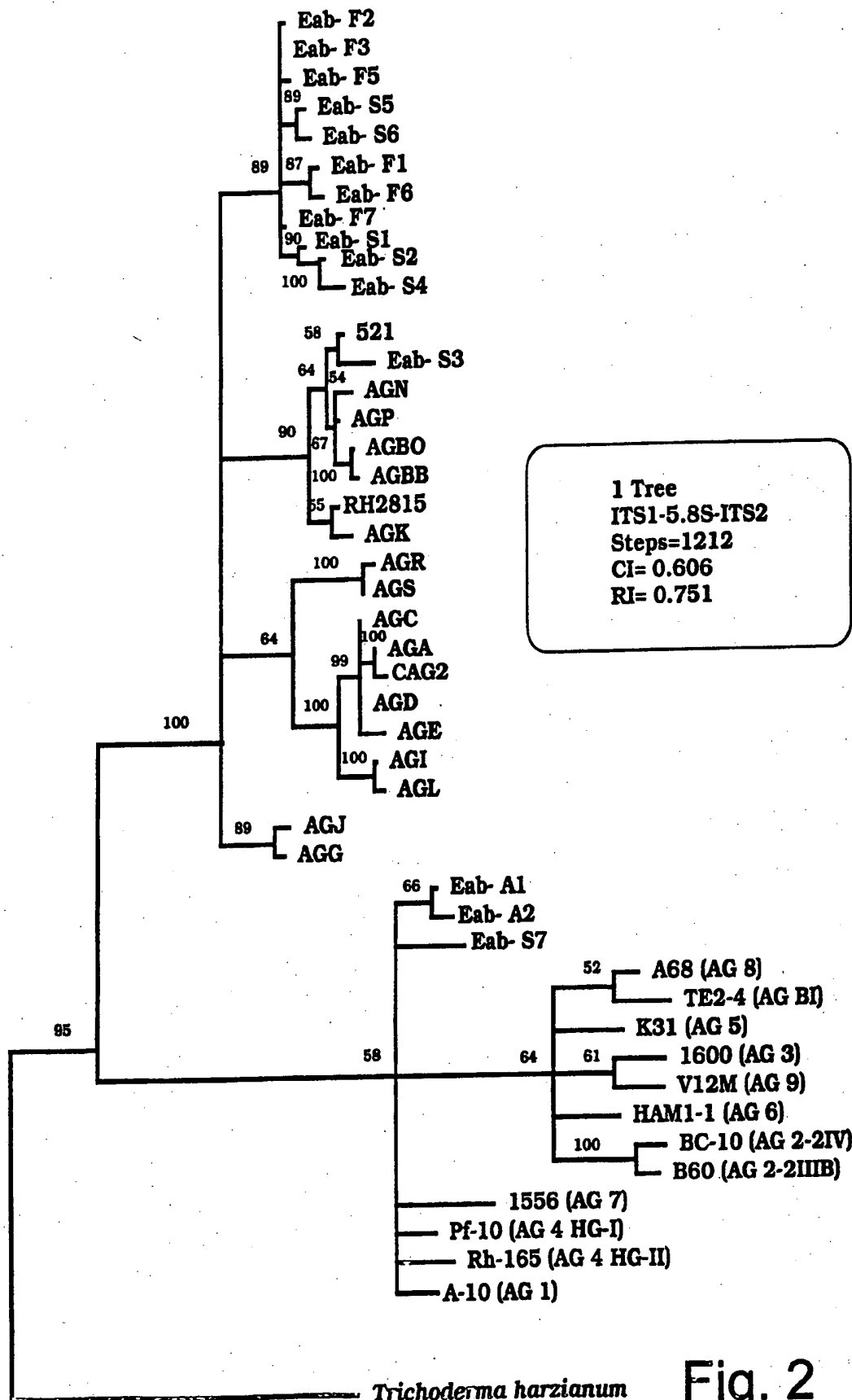


Fig. 2

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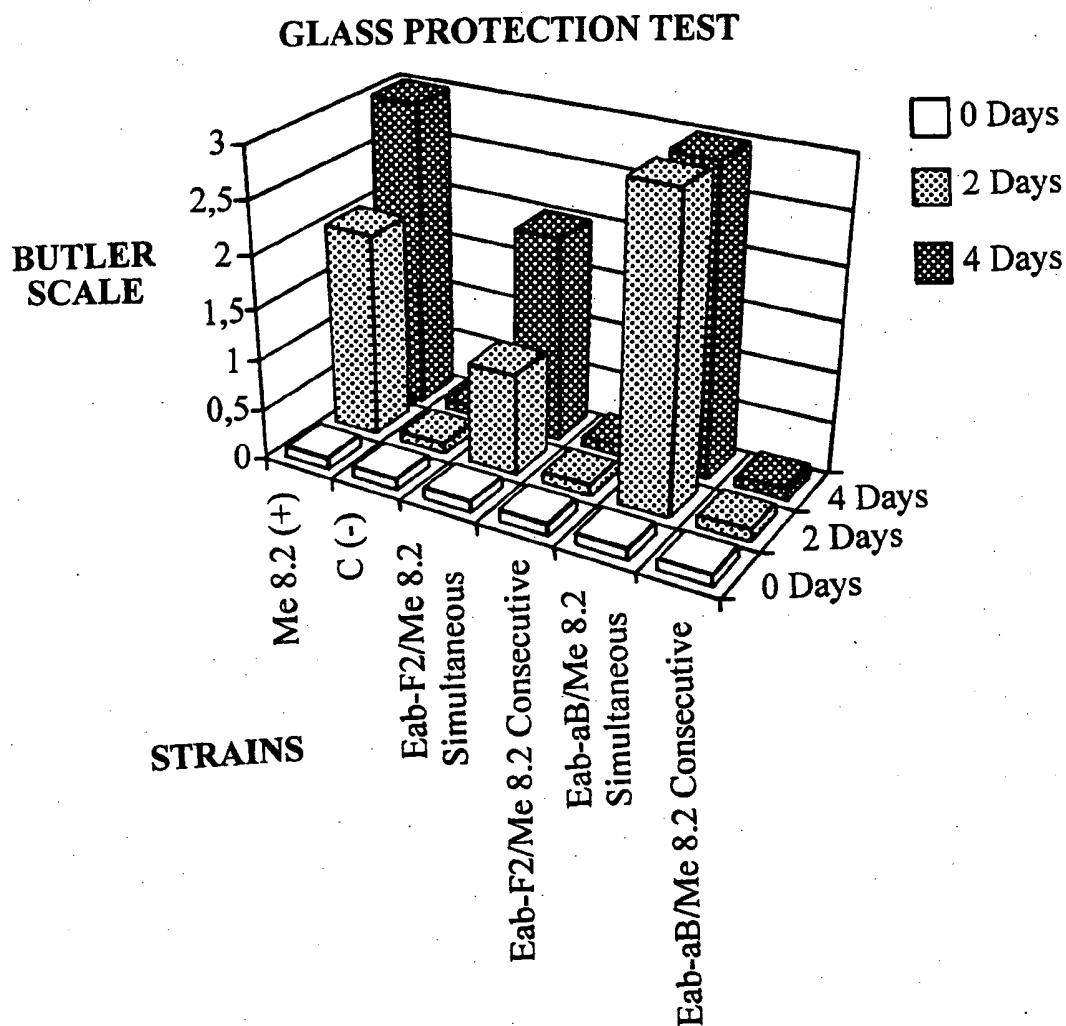


Fig. 3

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TOMATO PROTECTION TEST

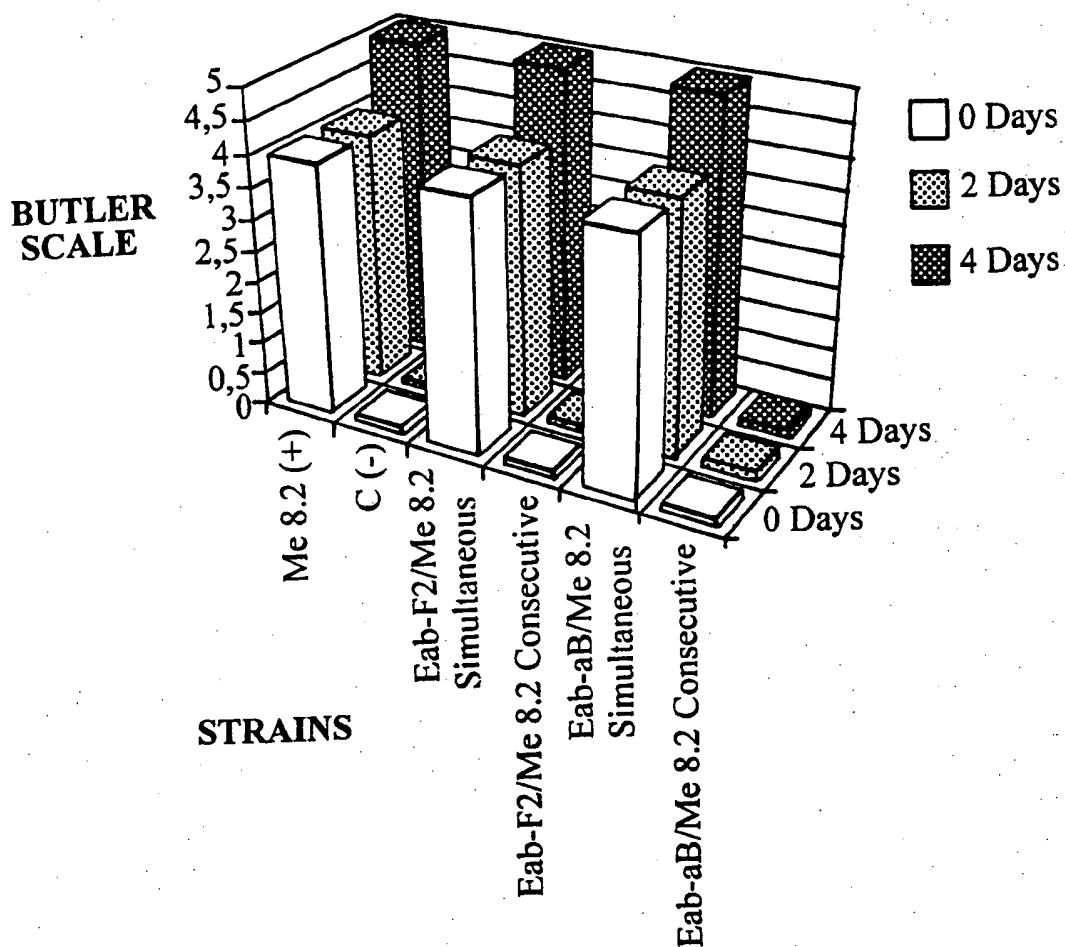


Fig. 4

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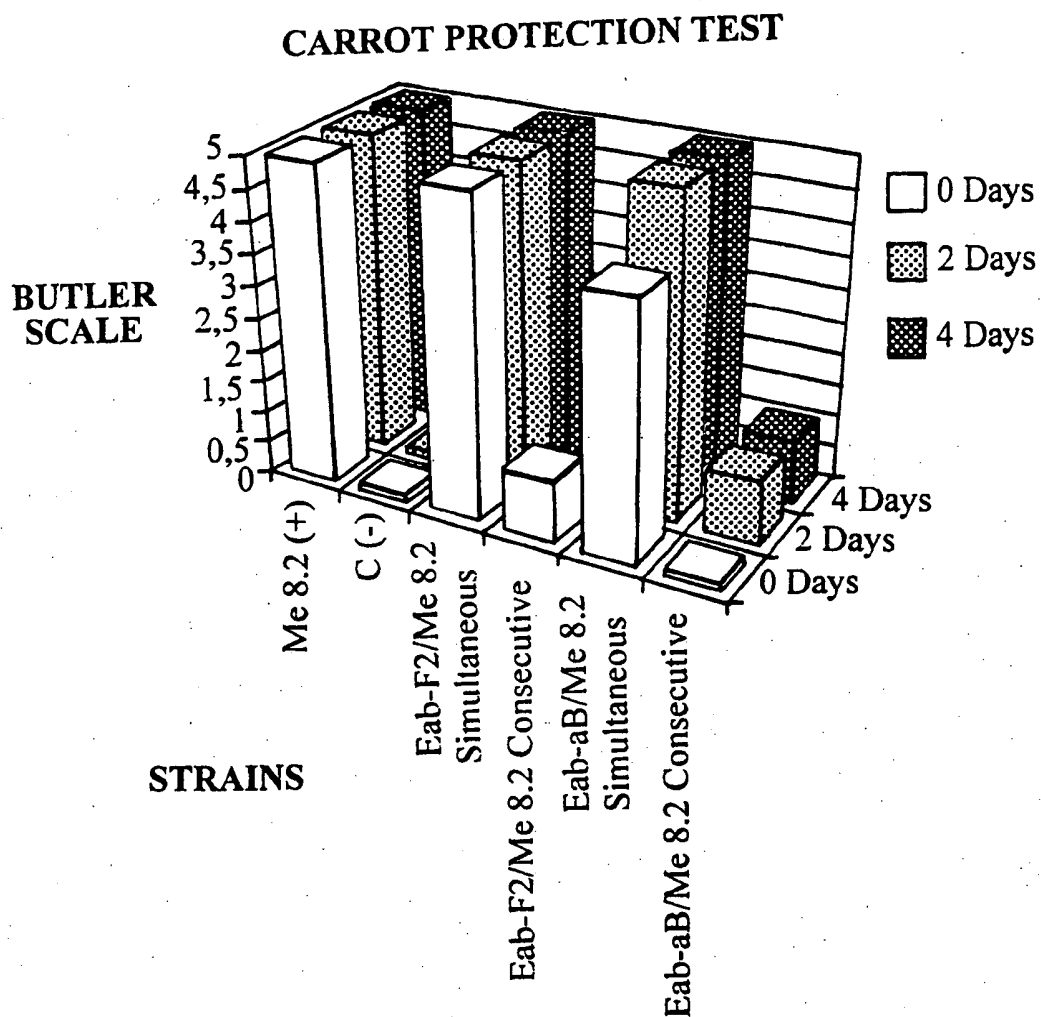


Fig. 5

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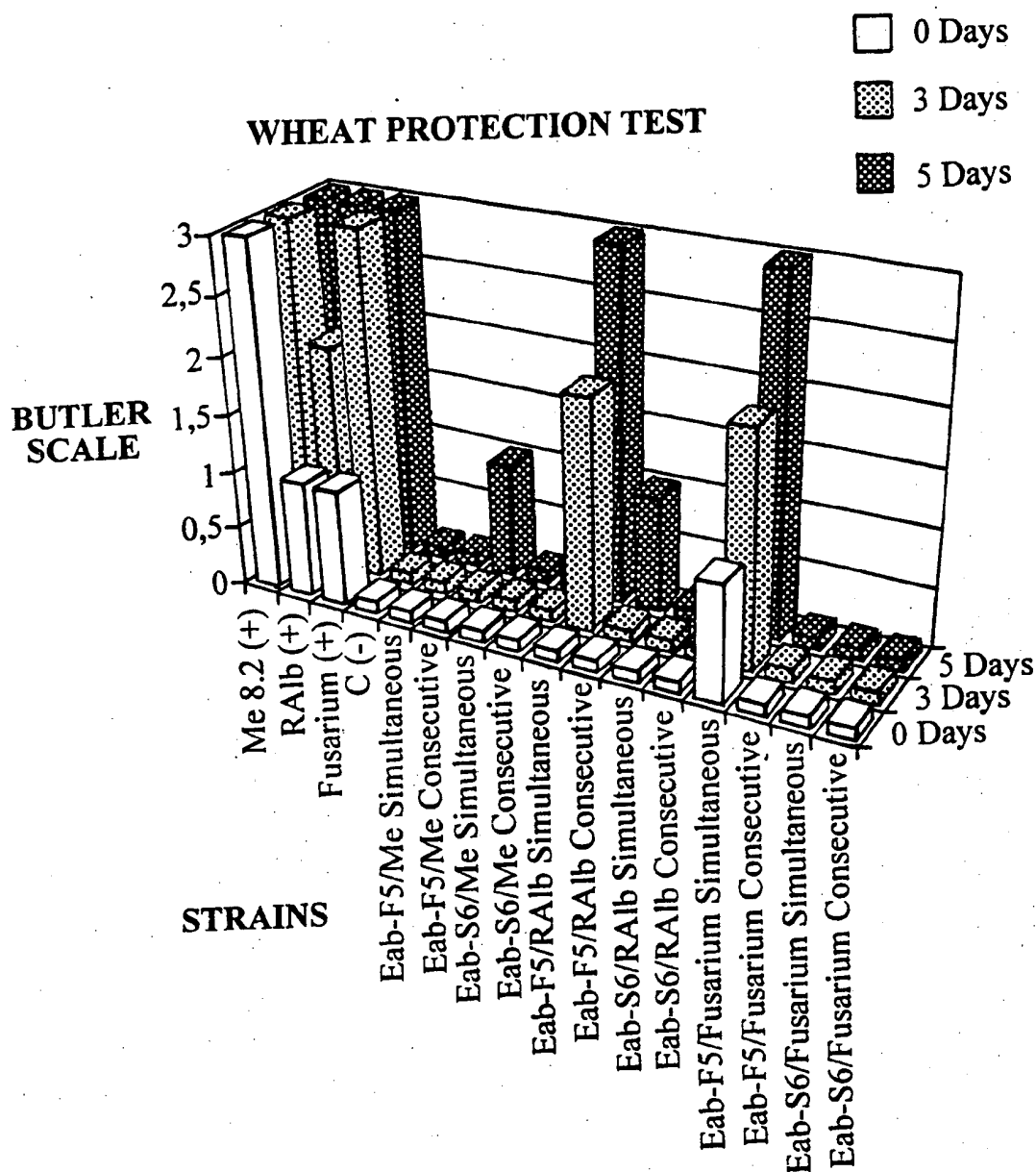


Fig. 6

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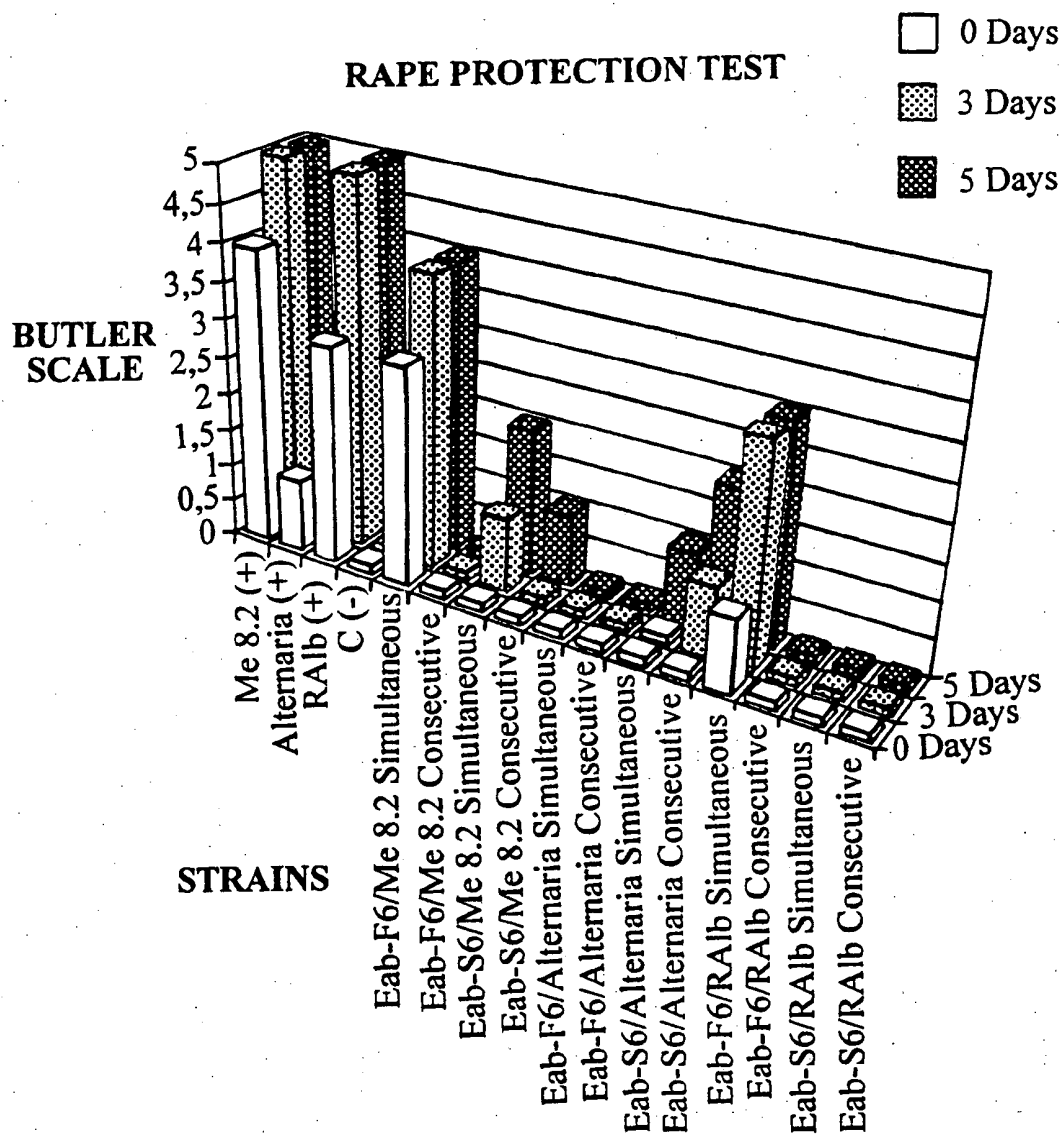


Fig. 7

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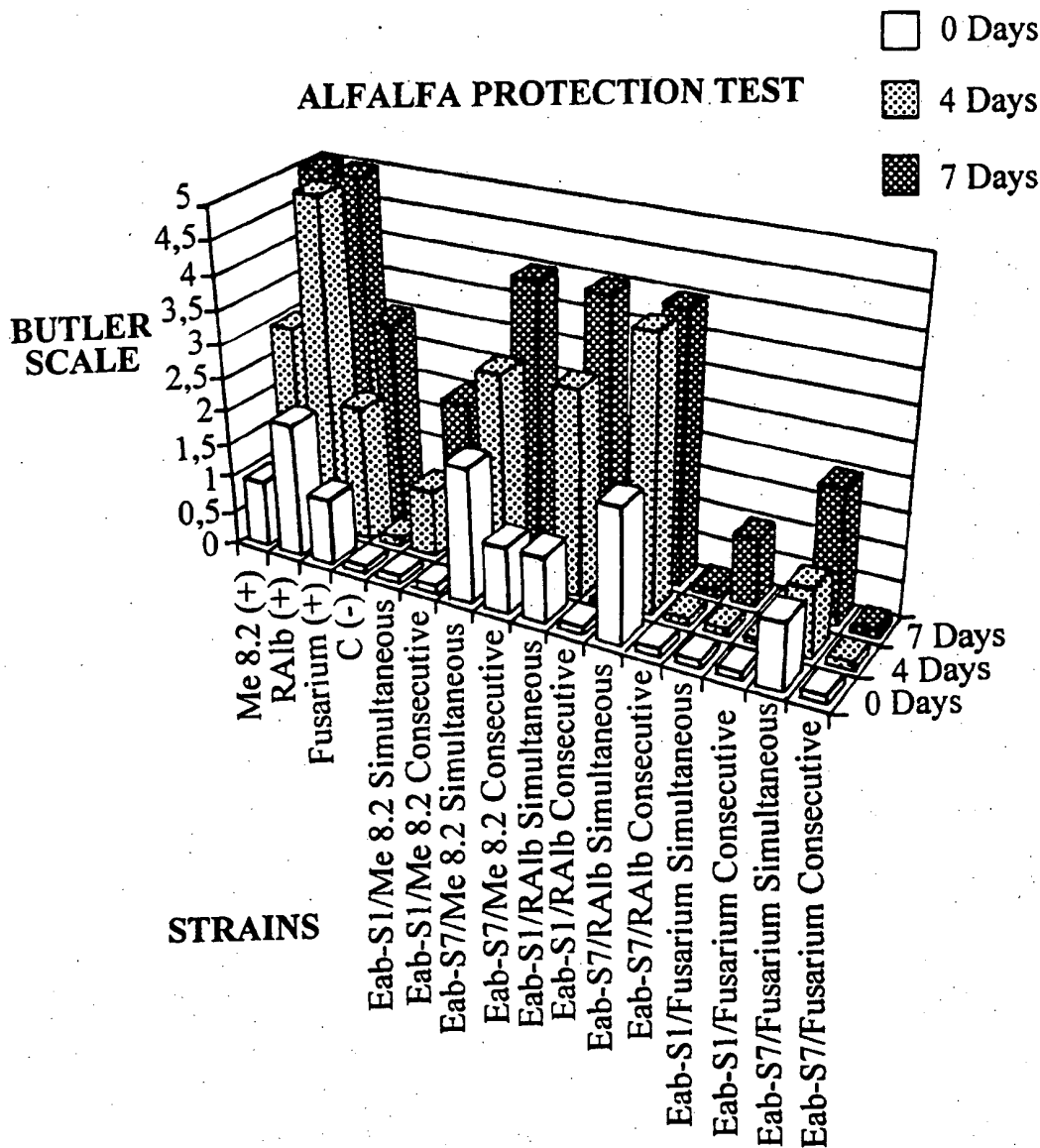


Fig. 8

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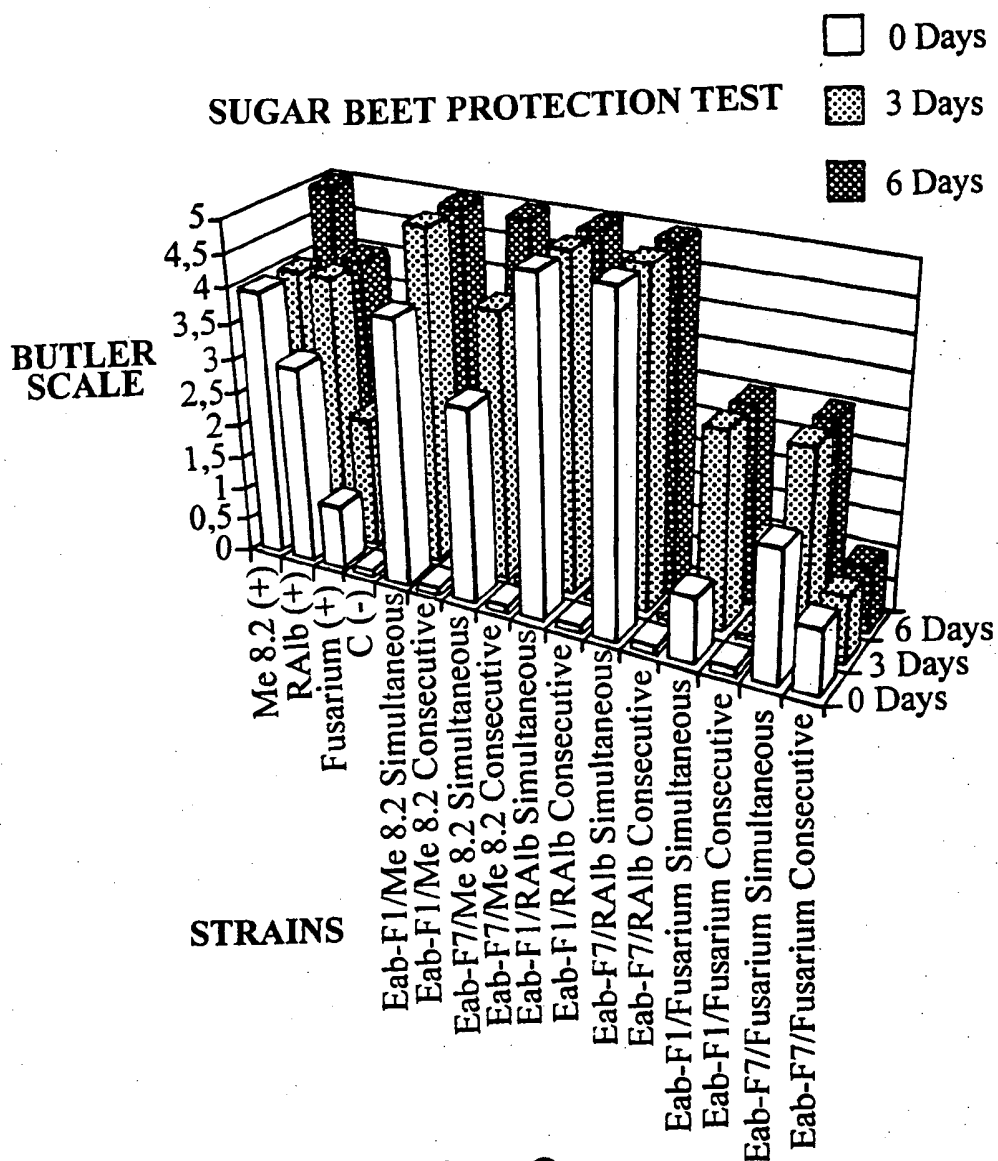


Fig. 9

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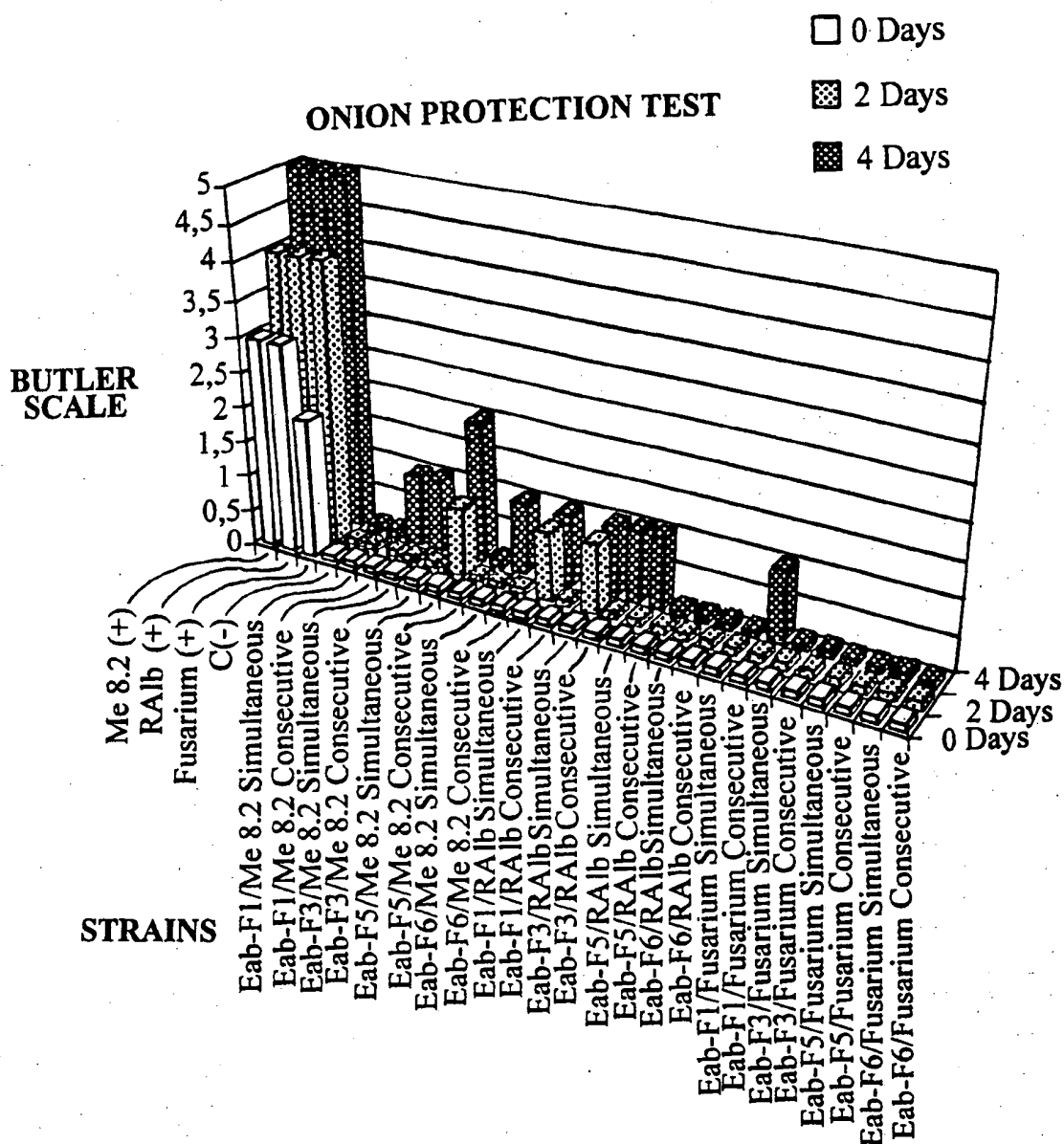


Fig. 10

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| | 0 Days | 3 Days | 5Days |
|----------------|--------|--------|-------|
| Me 8.2 (+) | 3 | 3 | 3 |
| RAIb (+) | 1 | 2 | 3 |
| Fusarium (+) | 1 | 3 | 3 |
| C (-) | 0,1 | 0,1 | 0,1 |
| Eab-F5/Me 8.2 | 0,1 | 0,1 | 1 |
| Eab-F5/Me 8.2 | 0,1 | 0,1 | 0,1 |
| Eab-S6/Me 8.2 | 0,1 | 0,1 | 0,1 |
| Eab-S6/Me 8.2 | 0,1 | 0,1 | 0,1 |
| Eab-F5/RAIb Si | 0,1 | 2 | 3 |
| Eab-F5/RAIb C | 0,1 | 0,1 | 1 |
| Eab-S6/RAIb Si | 0,1 | 0,1 | 0,1 |
| Eab-S6/RAIb C | 0,1 | 0,1 | 0,1 |
| Eab-F5/Fusari | 1 | 2 | 3 |
| Eab-F5/Fusari | 0,1 | 0,1 | 0,1 |
| Eab-S6/Fusariu | 0,1 | 0,1 | 0,1 |
| Eab-S6/Fusariu | 0,1 | 0,1 | 0,1 |

WHEAT PROTECTION TEST

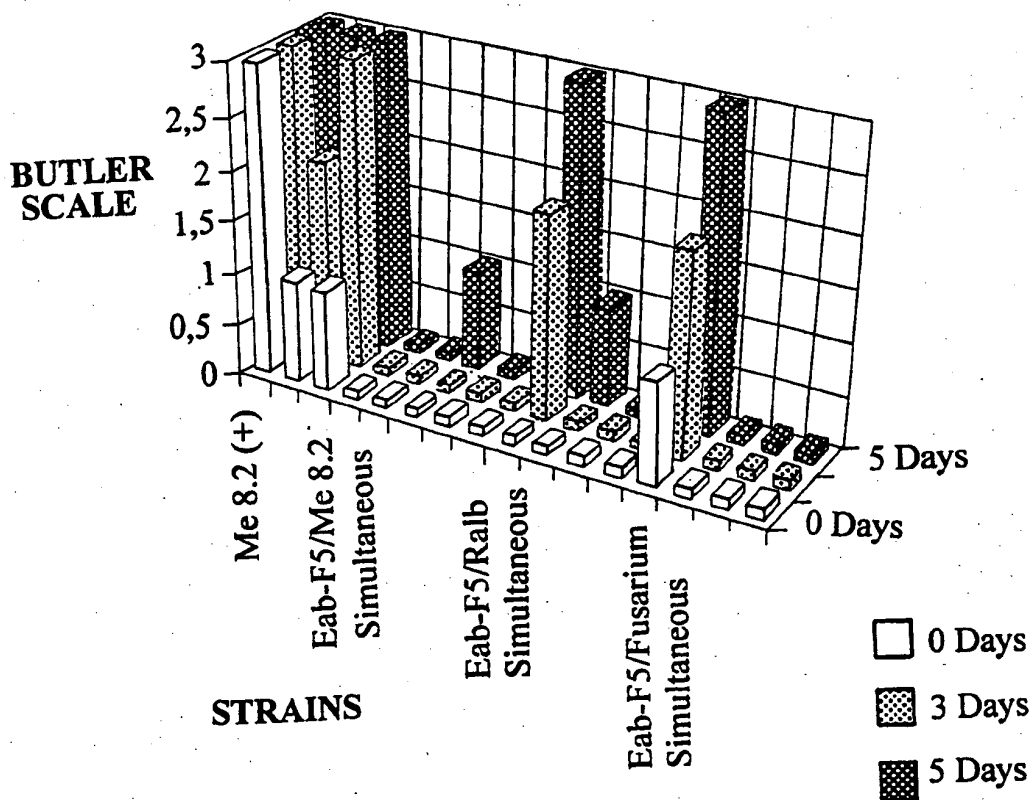


Fig. 11

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| | 0 days | 4 days | 7 days |
|--------------|--------|--------|--------|
| Me 8.2 (+) | 1 | 3 | 5 |
| RAIb (+) | 2 | 5 | 5 |
| Fusarium (+) | 1 | 2 | 3 |
| C(-) | 0,1 | 0,1 | 0,1 |
| Eab-S1/Me 8 | 0,1 | 1 | 2 |
| Eab-S1/Me 8 | 0,1 | 0,1 | 0,1 |
| Eab-S7/Me 8 | 2 | 3 | 4 |
| Eab-S7/Me 8 | 1 | 1 | 1 |
| Eab-S1/RAIb | 1 | 3 | 4 |
| Eab-S1/RAIb | 0,1 | 0 | 0,1 |
| Eab-S7/RAIb | 2 | 4 | 4 |
| Eab-S7/RAIb | 0,1 | 0,1 | 0,1 |
| Eab-S1/Fusa | 0,1 | 0,1 | 1 |
| Eab-S1/Fusa | 0,1 | 0,1 | 0,1 |
| Eab-S7/Fusa | 1 | 1 | 2 |
| Eab-S7/Fusa | 0,1 | 0,1 | 0,1 |

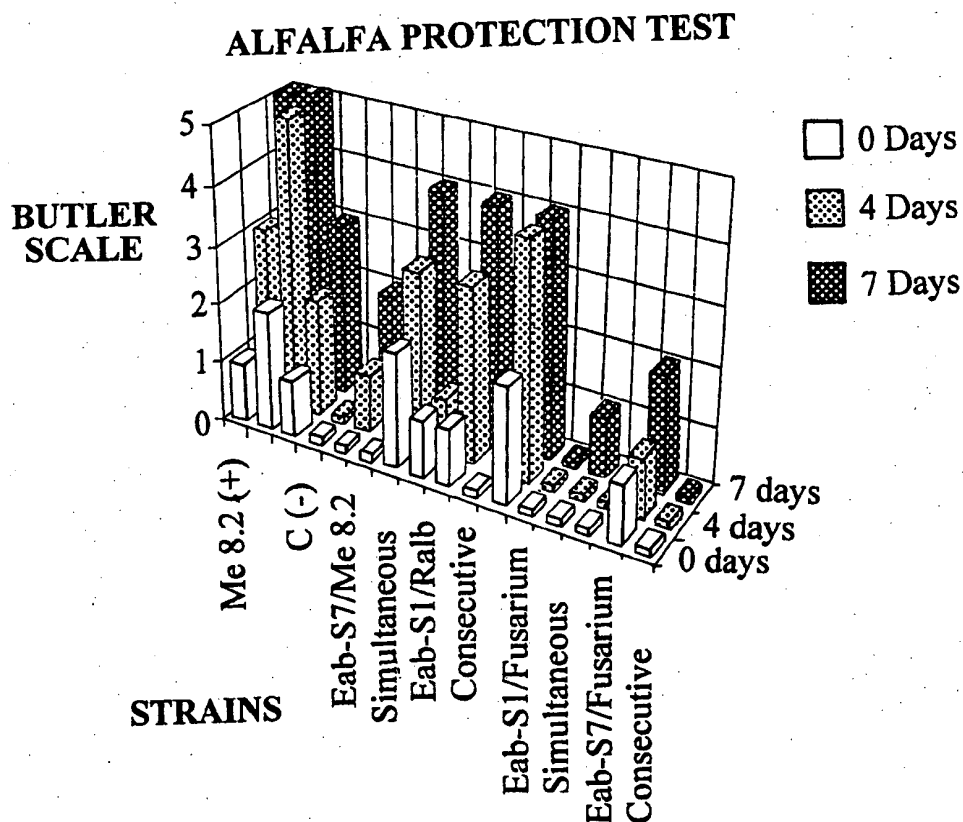


Fig. 12

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| | 0 Days | 3 Days | 6 Days |
|----------------|--------|--------|--------|
| Me 8.2 (+) | 4 | 4 | 5 |
| RAIb (+) | 3 | 4 | 4 |
| Fusarium (+) | 1 | 2 | 3 |
| C (-) | 0,1 | 0,1 | 0,1 |
| Eab-F1/Me 8.2 | 4 | 5 | 5 |
| Eab-F1/Me 8.2 | 0,1 | 1 | 1 |
| Eab-F7/Me 8.2 | 3 | 4 | 5 |
| Eab-F7/Me 8.2 | 0,1 | 0,1 | 0,1 |
| Eab-F1/RAIb Si | 5 | 5 | 5 |
| Eab-F1/RAIb C | 0,1 | 0,1 | 0,1 |
| Eab-F7/RAIb Si | 5 | 5 | 5 |
| Eab-F7/RAIb C | 0,1 | 0,1 | 0,1 |
| Eab-F1/Fusari | 1 | 3 | 3 |
| Eab-F1/Fusari | 0,1 | 0,1 | 0,1 |
| Eab-F7/Fusari | 2 | 3 | 3 |
| Eab-F7/Fusari | 1 | 1 | 1 |

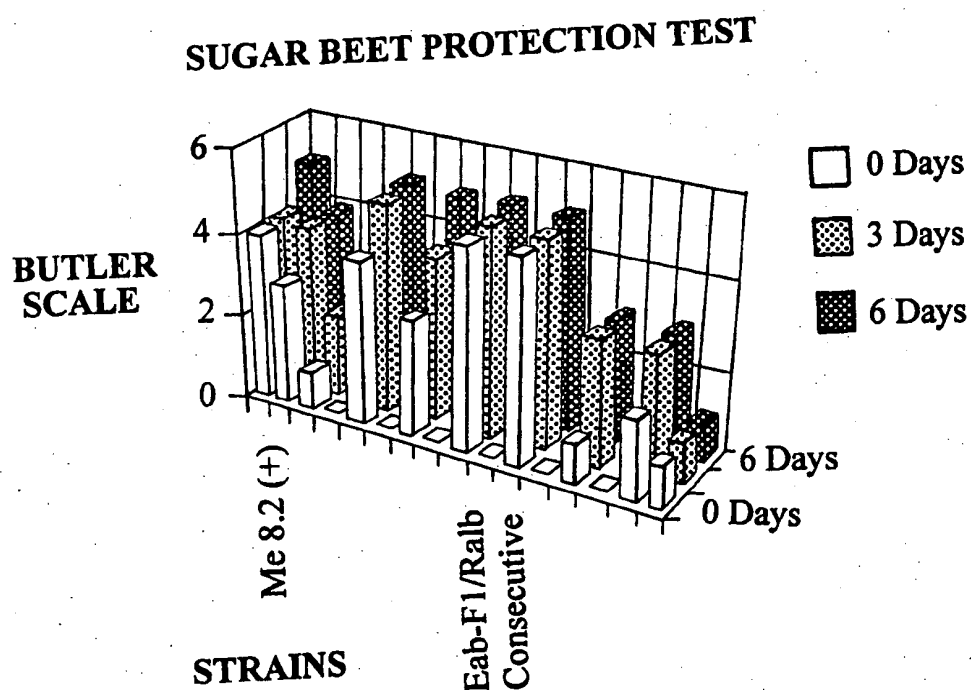


Fig. 13

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PROTECTION TEST 1

Negative control without fungus (C-), positive control with pathogenic strain Me 8.2, and two protective binucleate strains, F2 and α B, on tomato seedlings.

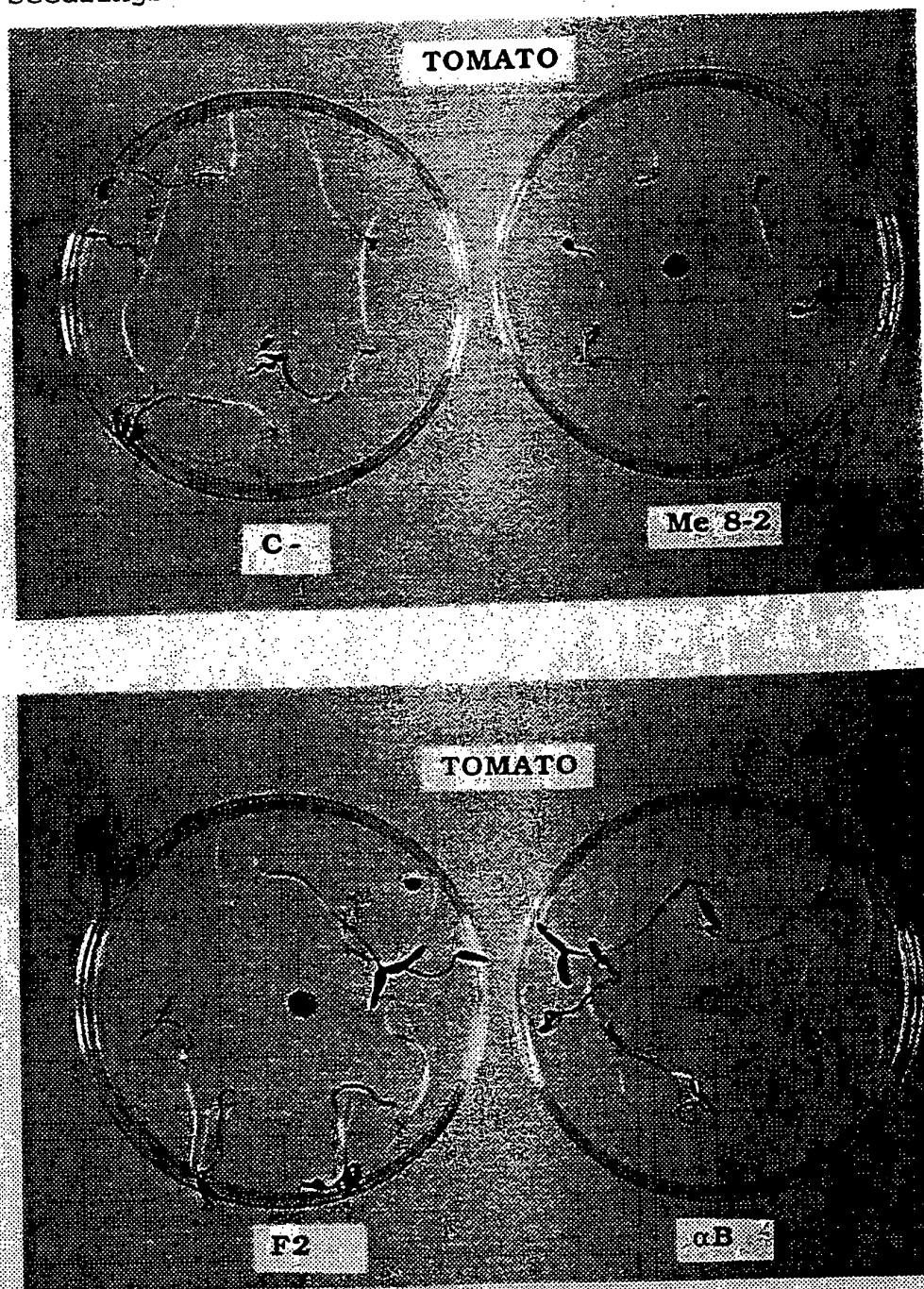


Fig. 14

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PROTECTION TEST 1

Protection of binucleate strains F2 (up) and α B (down) from pathogenic strain Me 8.2 on tomato seedlings when applied consecutively (right) but not when applied simultaneously (left).

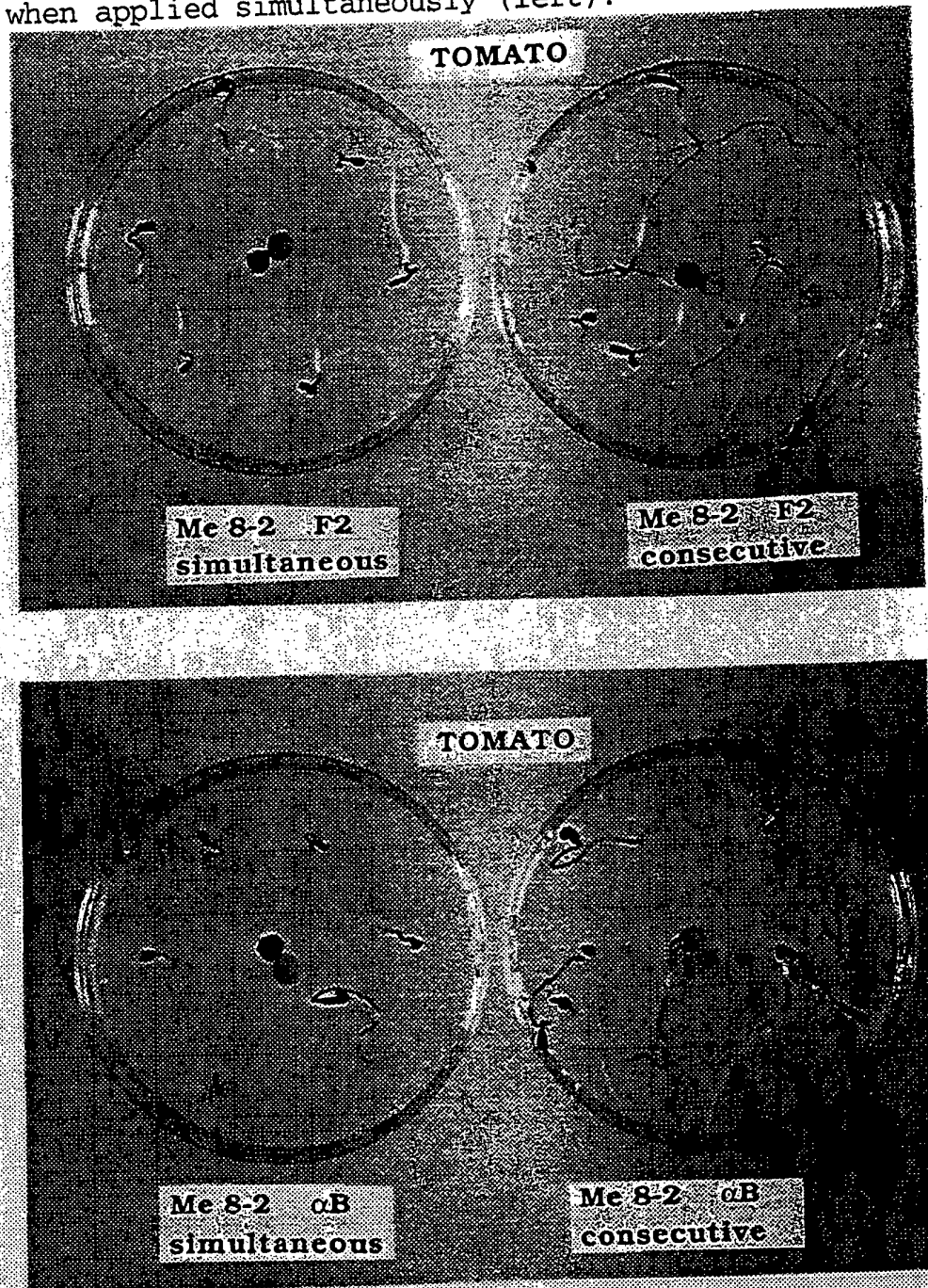


Fig. 15

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PROTECTION TEST 3

(Up) Negative control without fungus (C-), positive control with pathogenic strain Me 8.2. (Down) Negative control without fungus (C-), positive control with pathogenic strain pin.

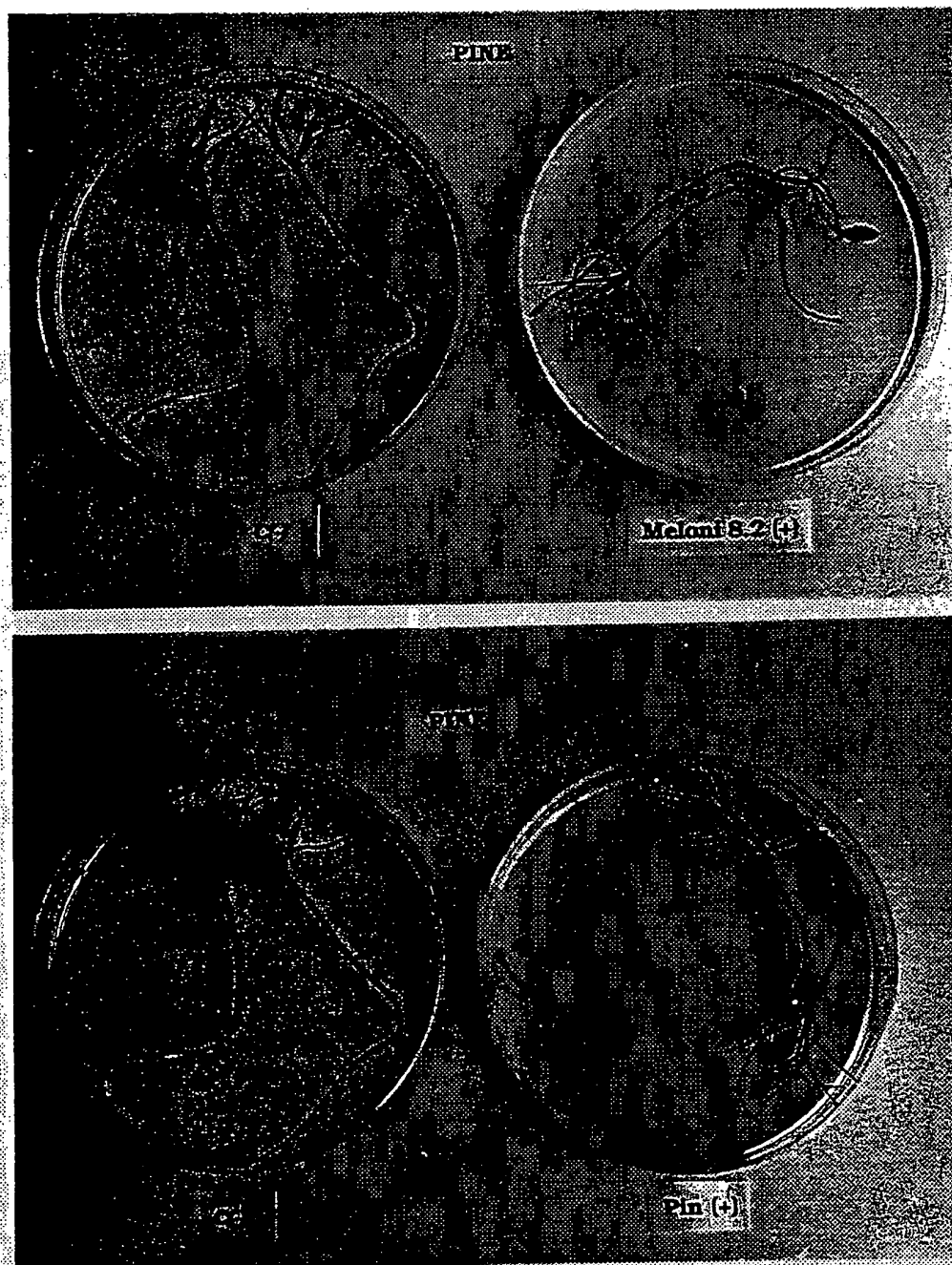


Fig. 16

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PROTECTION TEST 3

Protection of binucleate strain Eab-F2 against pathogenic *Rhizoctonia* Me 8.2 (up) and pin (down) strains on pine seedlings when applied consecutively (right) and simultaneously (left).

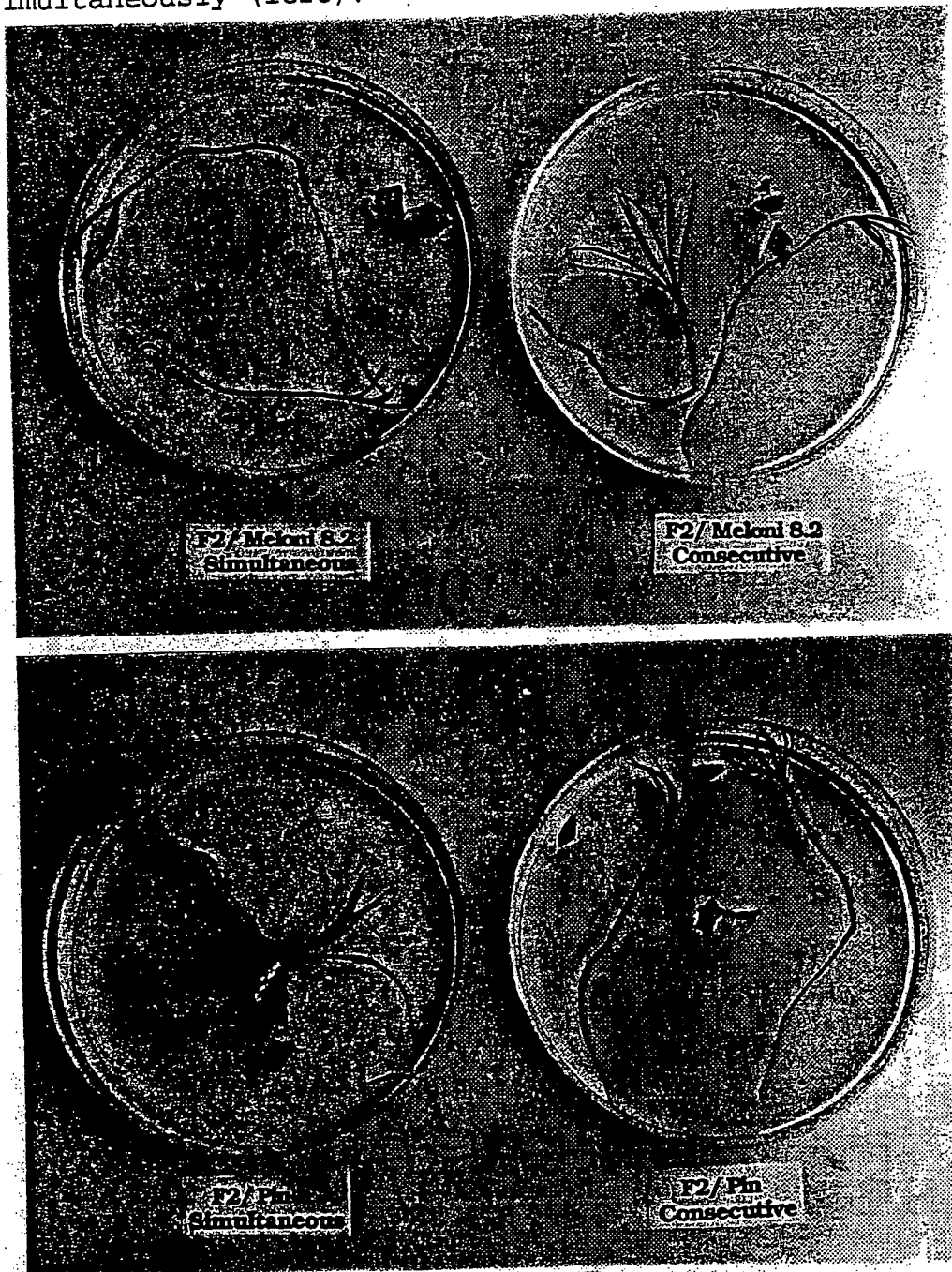


Fig. 17

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PROTECTION TEST 3

Protection of binucleate strain **Eab-aB** against pathogenic **Rhizoctonia** Me 8.2 (up) and **pin** (down) strains on pine seedlings when applied consecutively (right) and simultaneously (left).

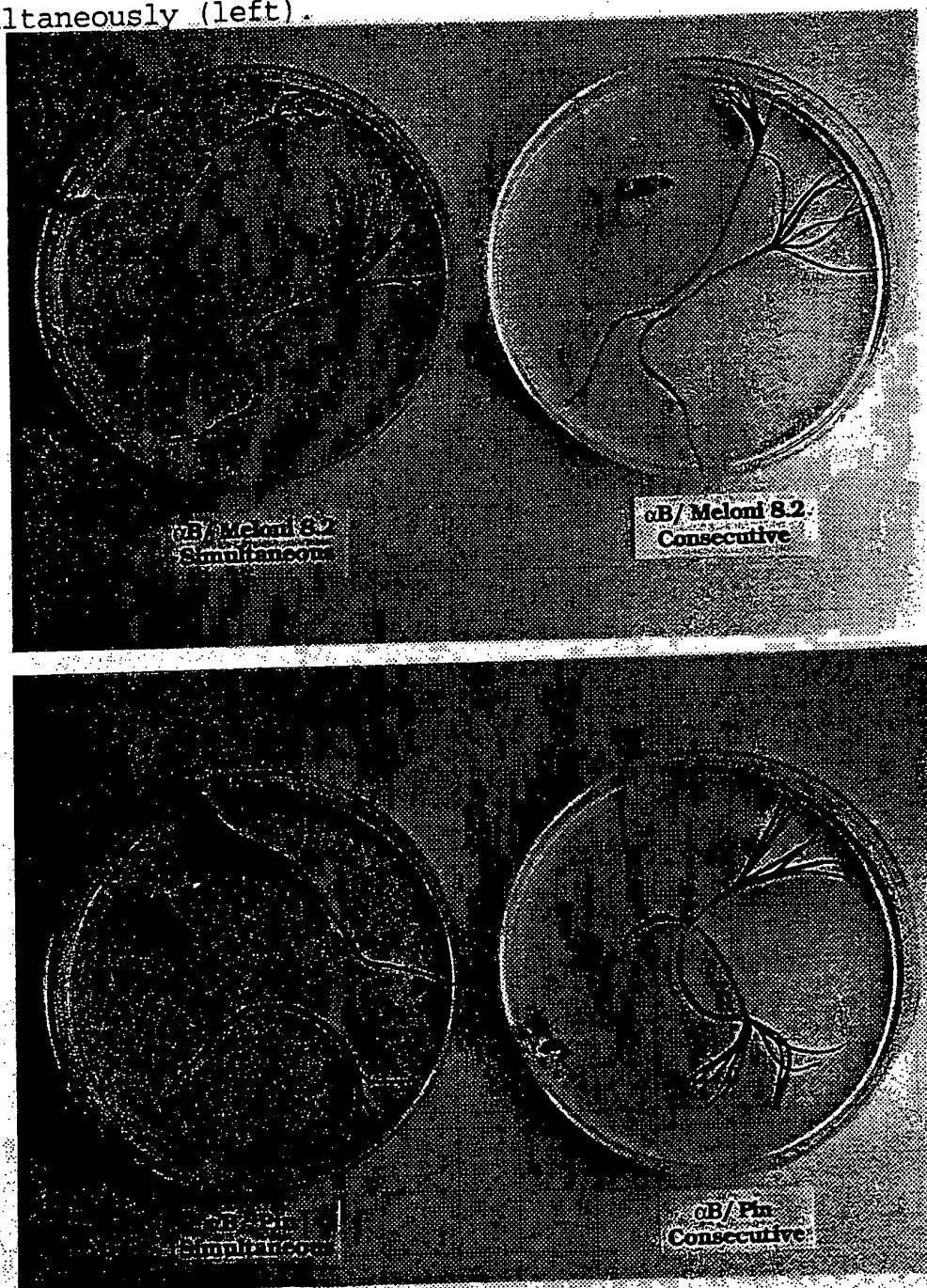


Fig. 18

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PROTECTION TEST 3

(Up) Negative control without fungus (C-), positive control with pathogenic strain **pin** (Down) Negative control without fungus (C-), positive control with pathogenic strain **Me 8.2**.

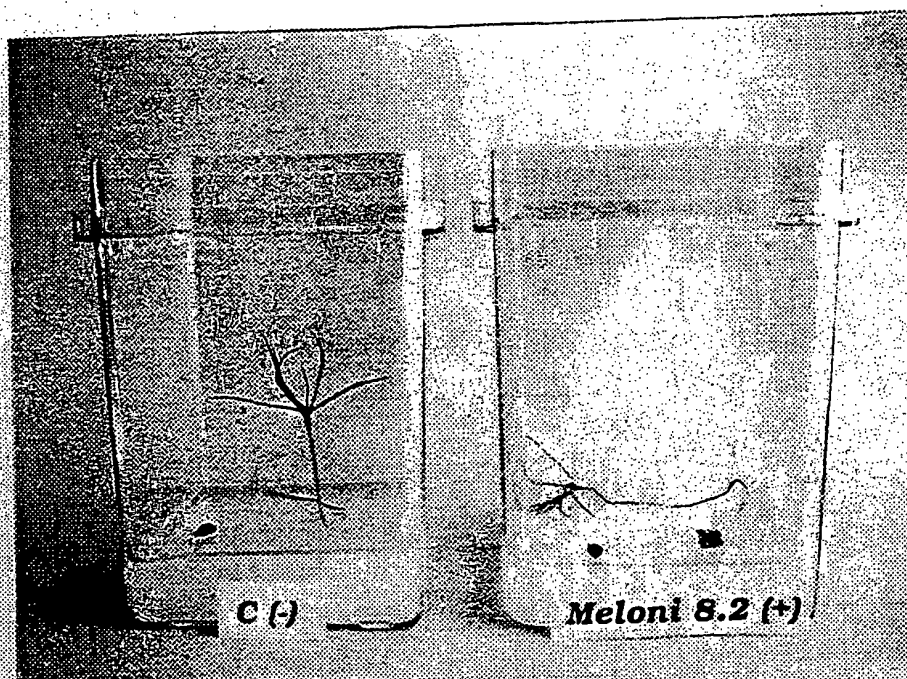
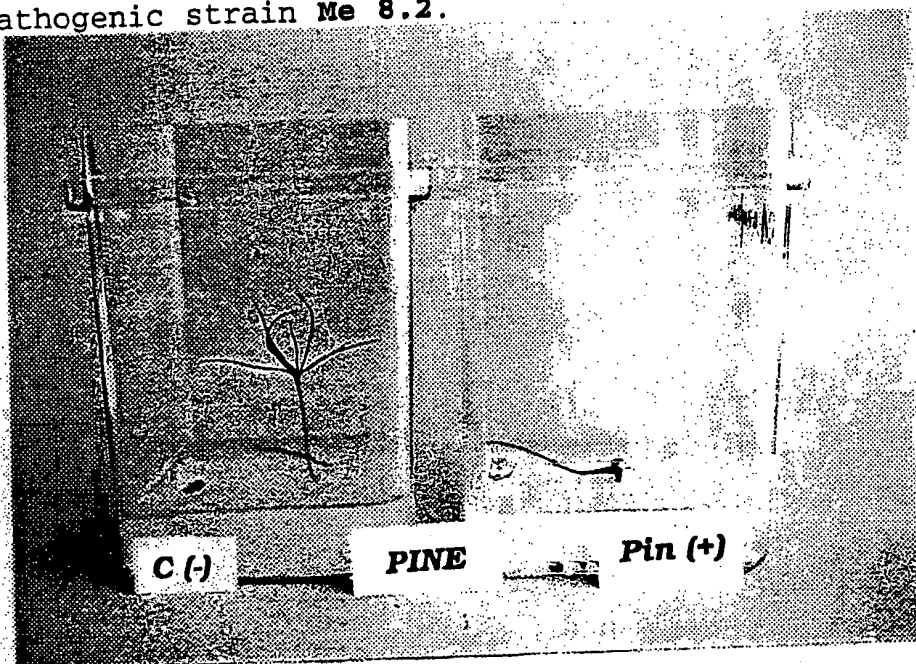


Fig. 19

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PROTECTION TEST 3

(Up) Protection of binucleate strain **Eab-aB** against pathogenic **Me 8.2** strain on pine seedlings when applied consecutively (left) and simultaneously (right). (Down) Protection of binucleate strain **Eab-aB** against pathogenic **pin** strain on pine seedlings when applied consecutively (left) and simultaneously (right).



Fig. 20

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PROTECTION TEST 3

(Up) Protection of binucleate strain **Eab-F2** against pathogenic **Me 8.2** strain on pine seedlings when applied consecutively (left) and simultaneously (right). (Down) Protection of binucleate strain **Eab-F2** against pathogenic **pin** strain on pine seedlings when applied consecutively (left) and simultaneously (right).

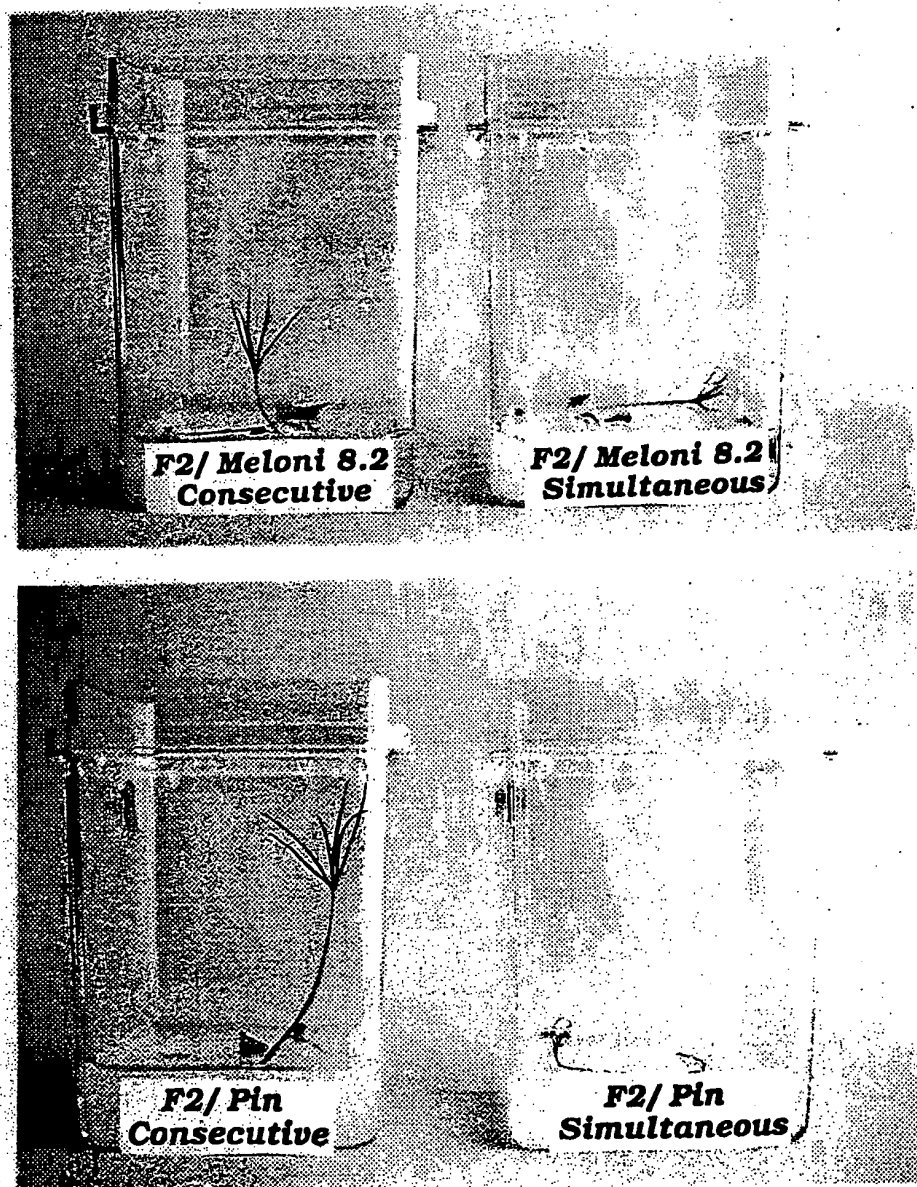
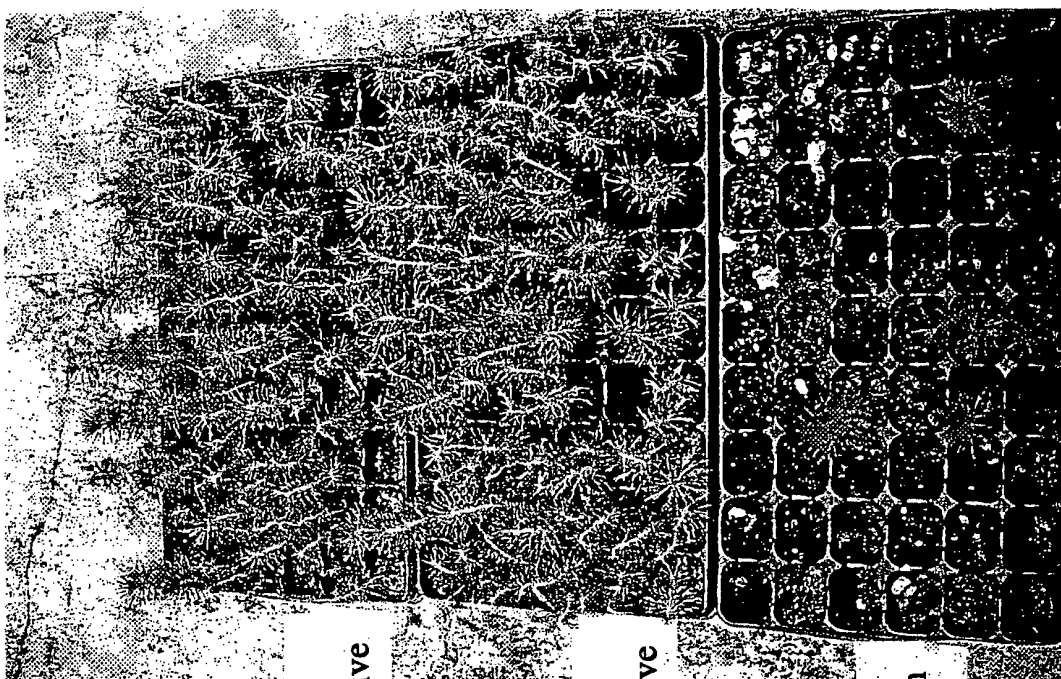


Fig. 21

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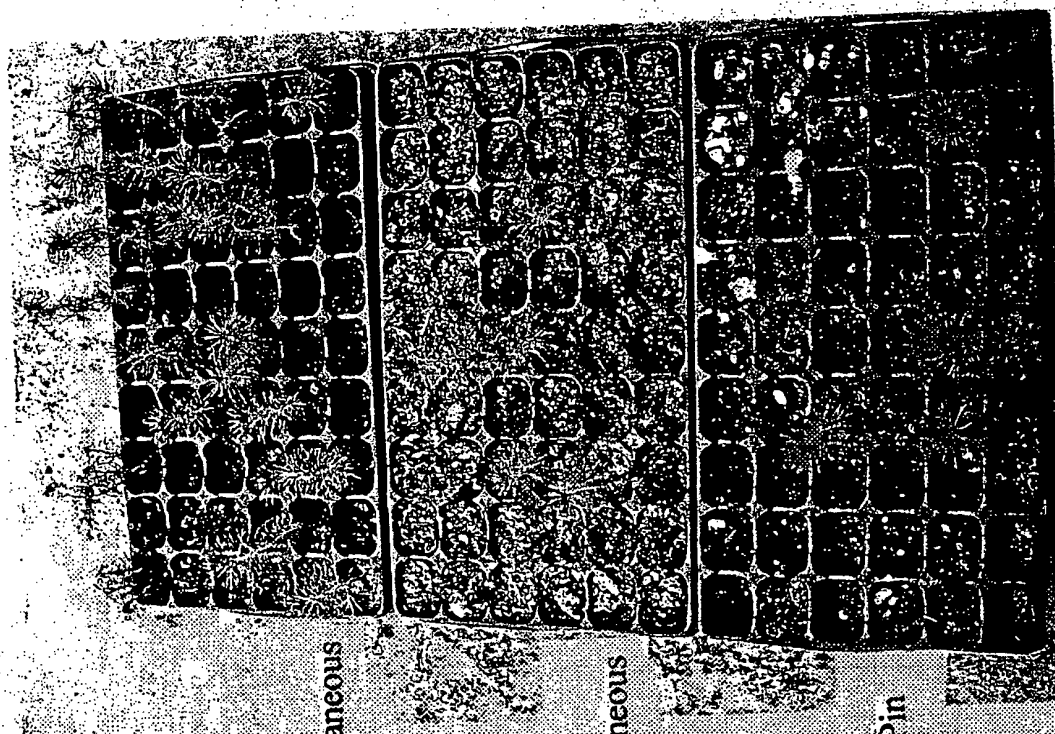
PROTECTION TEST 3 - PINE SEEDLINGS



F2-Pin
consecutive

α B-Pin
consecutive

Pin



F2-Pin
simultaneous

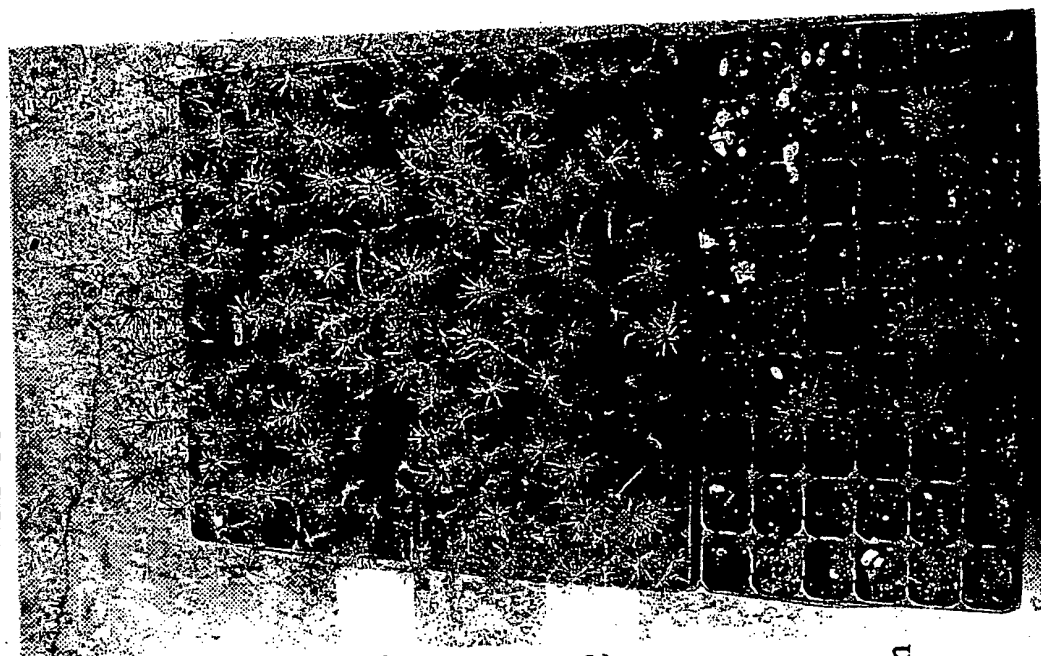
α B-Pin
simultaneous

Pin

Fig. 22

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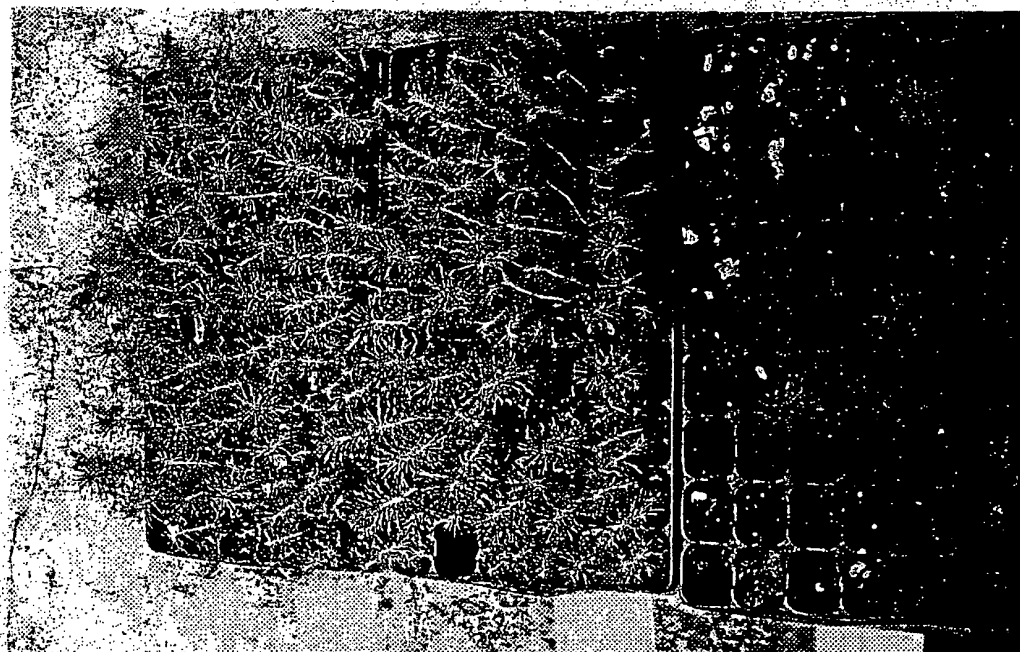
PROTECTION TEST 3 - PINE SEEDLINGS



C-

F2

Pin



C

α B

Pin

Fig. 23

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PROTECTION TEST 3 - PINE SEEDLINGS

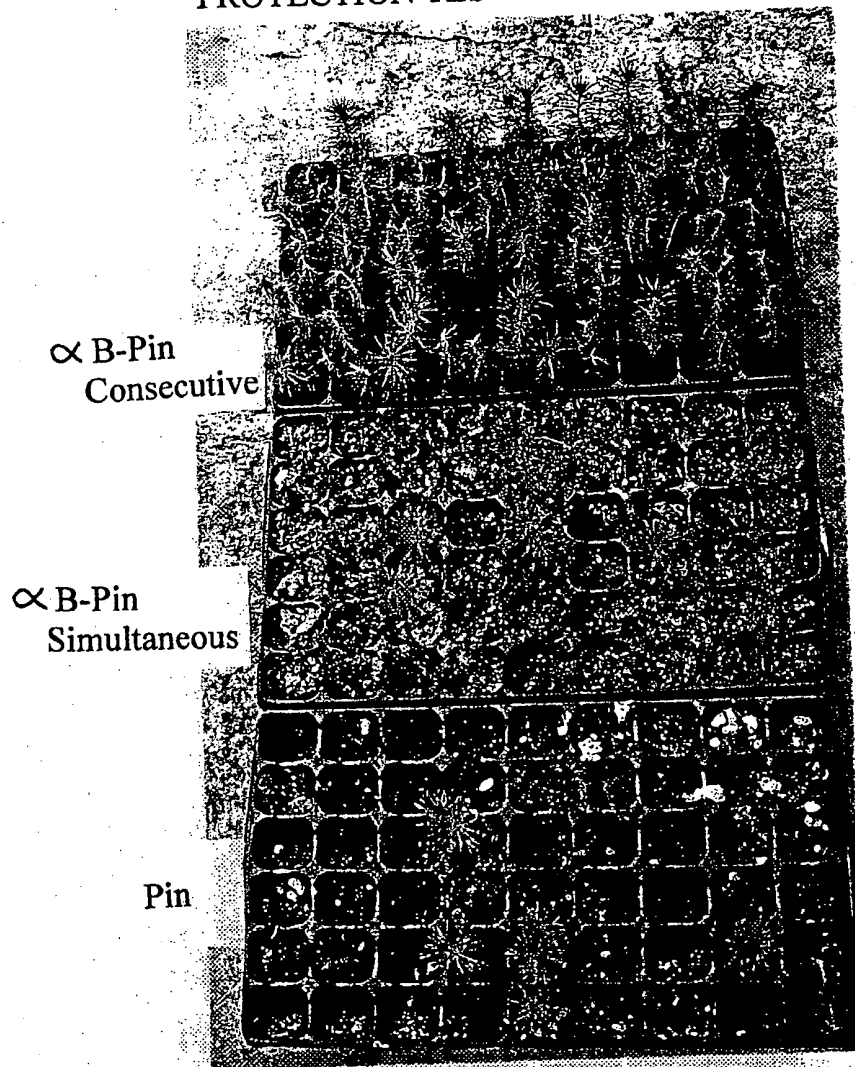


Fig. 24

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PROTECTION TEST 4

Protection of binucleate strains **F2** (up) and **S7** (down) from pathogenic *Fusarium* strain on wheat seedlings when applied consecutively (left) and simultaneously (right).

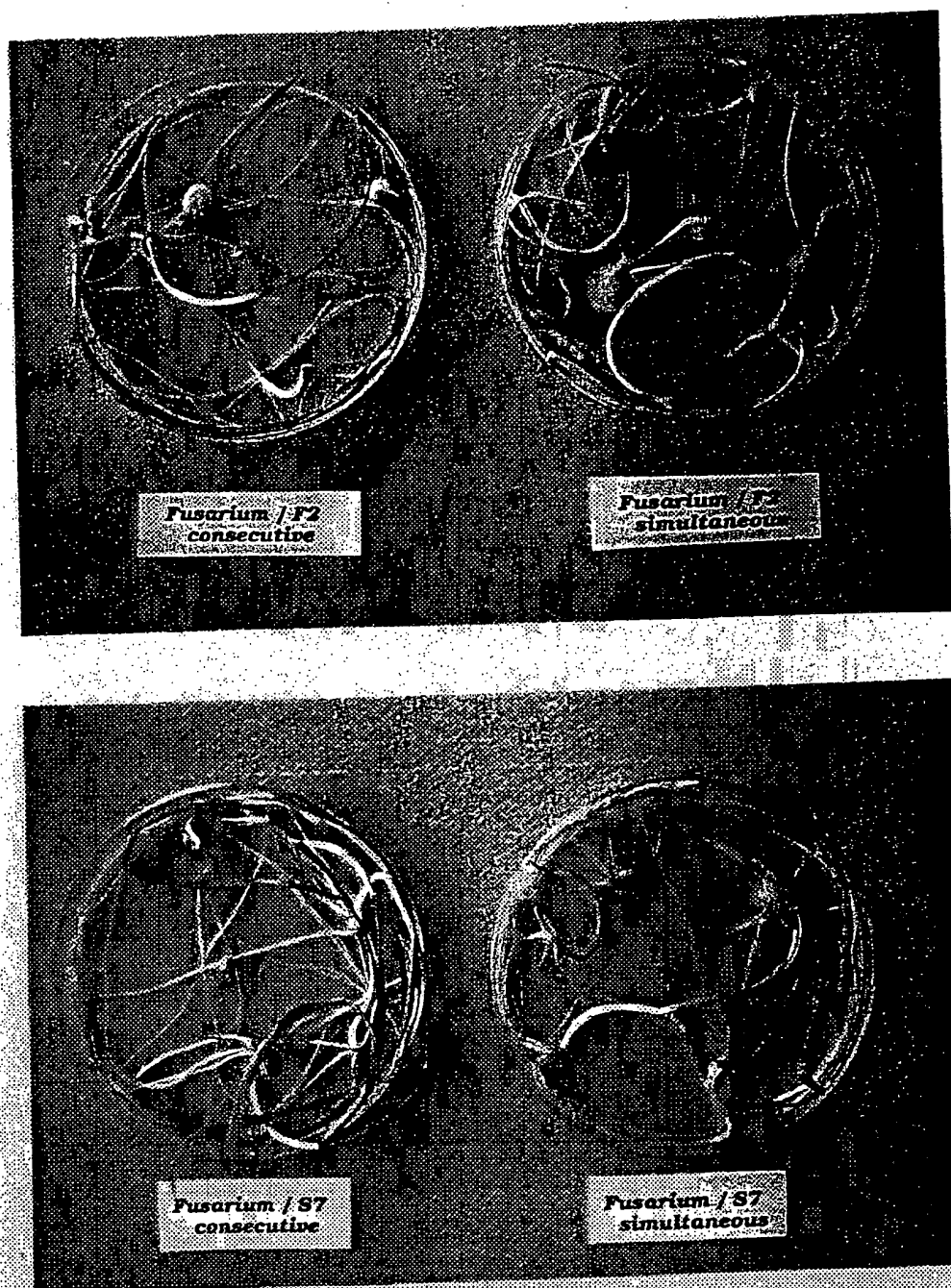


Fig. 25

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PROTECTION TEST 4

Protection of binucleate strains S6 (up) and F5 (down) from pathogenic *Rhizoctonia* RAG2 strain on wheat seedlings when applied consecutively (left) and simultaneously (right).

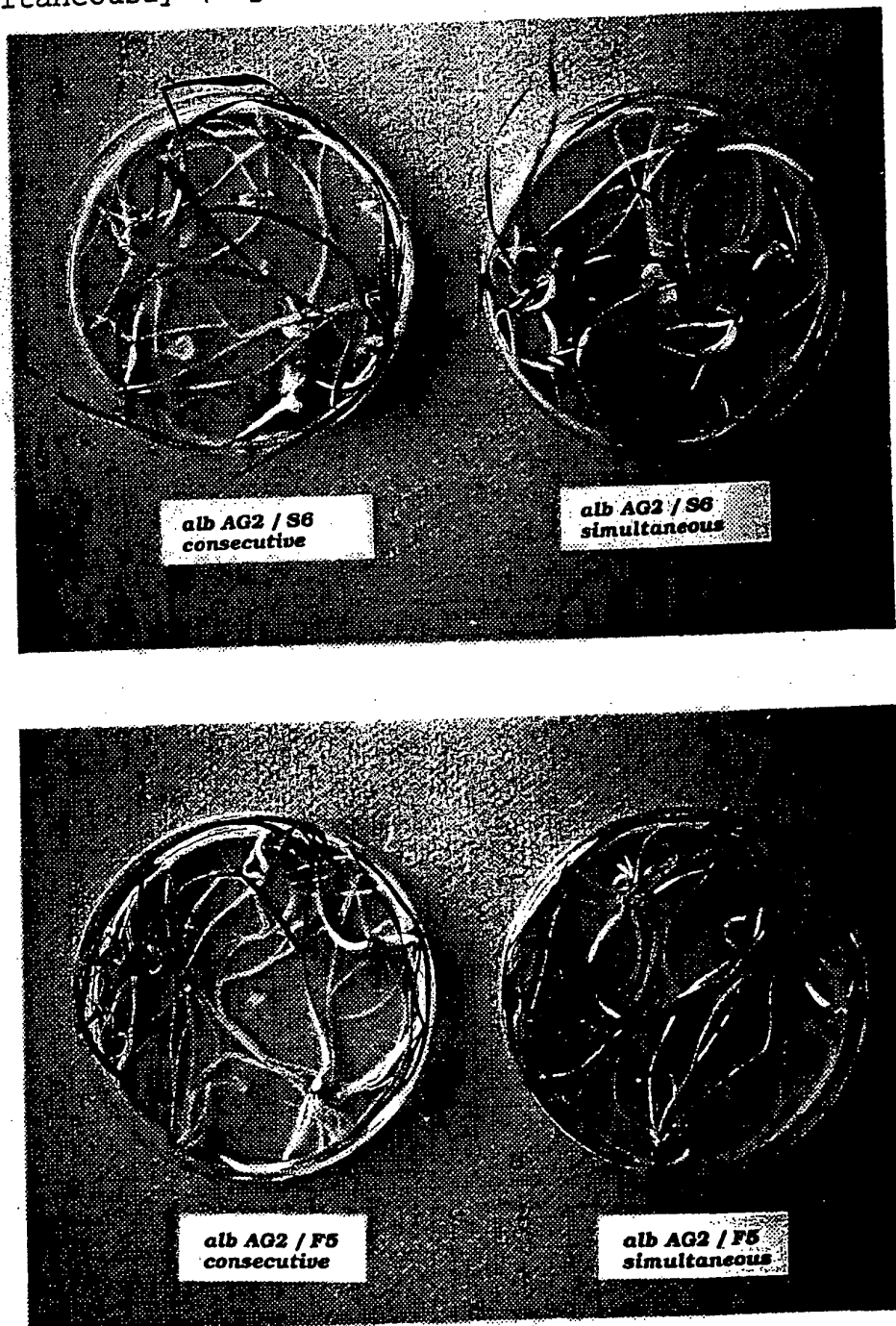


Fig. 26

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PROTECTION TEST 4

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain
 (down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain

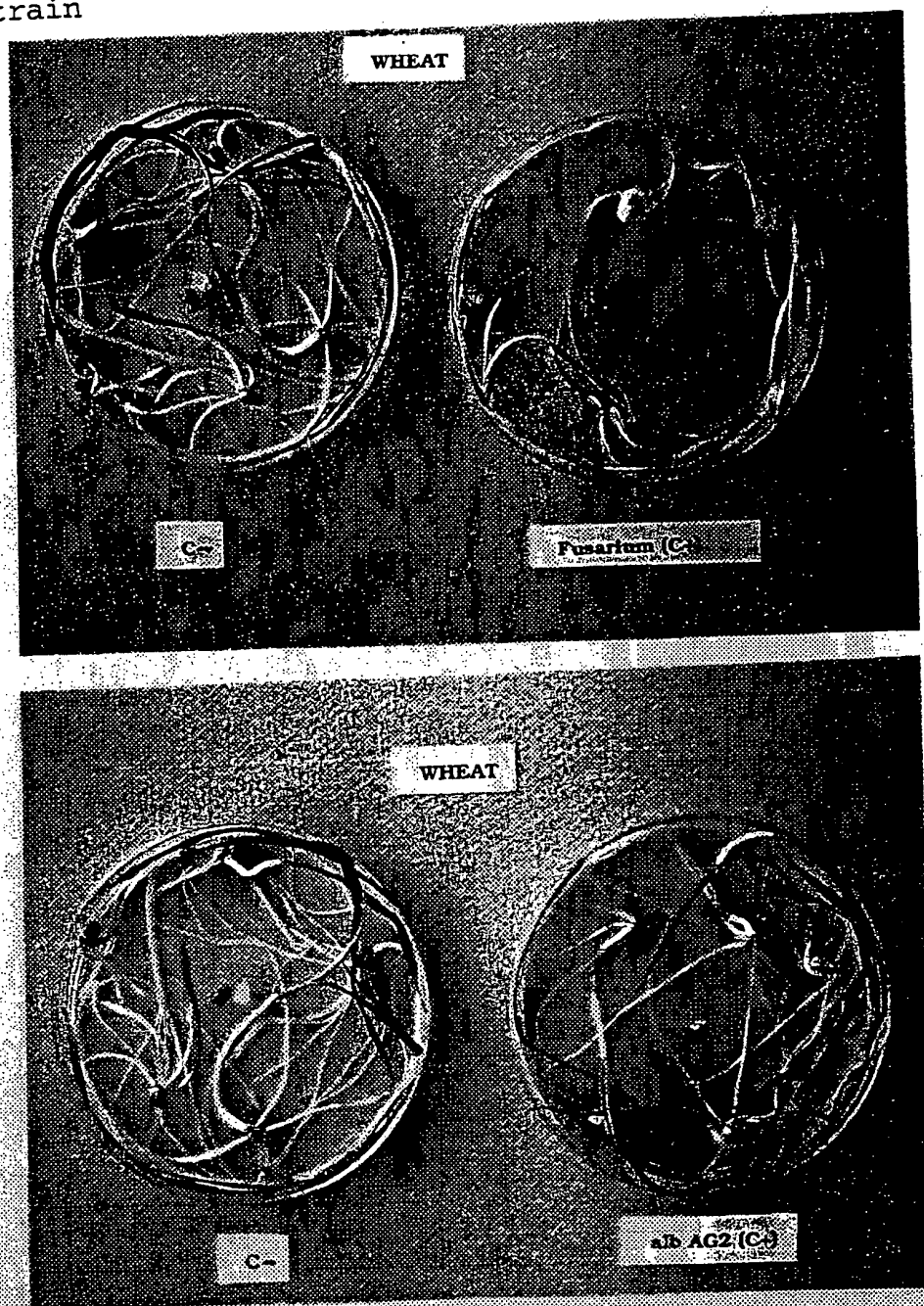


Fig. 27

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PROTECTION TEST 4

General view of experimental greenhouse design (up)
and detail of early symptoms caused by pathogenic
strain *Fusarium sp.* (Down)



Fig. 28

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PROTECTION TEST 4

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain

(down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain



Fig. 29

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PROTECTION TEST 4

Protection of binucleate strain **F5** from pathogenic *Fusarium* *sp.* strain on wheat plants when applied consecutively (up) and simultaneously (down).



Fig. 30

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PROTECTION TEST 4

Protection of binucleate strain **S6** from pathogenic *Fusarium* *sp.* strain on wheat plants when applied consecutively (up) and simultaneously (down).



Fig. 31

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PROTECTION TEST 5

(up) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain
(down) Protection of binucleate strains F3 from pathogenic *Rhizoctonia* RAG2 strain on rape seedlings when applied consecutively (left) and simultaneously (right).



Fig. 32

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PROTECTION TEST 5

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PROTECTION TEST 5

Protection of binucleate strains S1 (up) and S7 (down) from pathogenic *Rhizoctonia* RAG2 strain on rape seedlings when applied consecutively (left) and simultaneously (right).

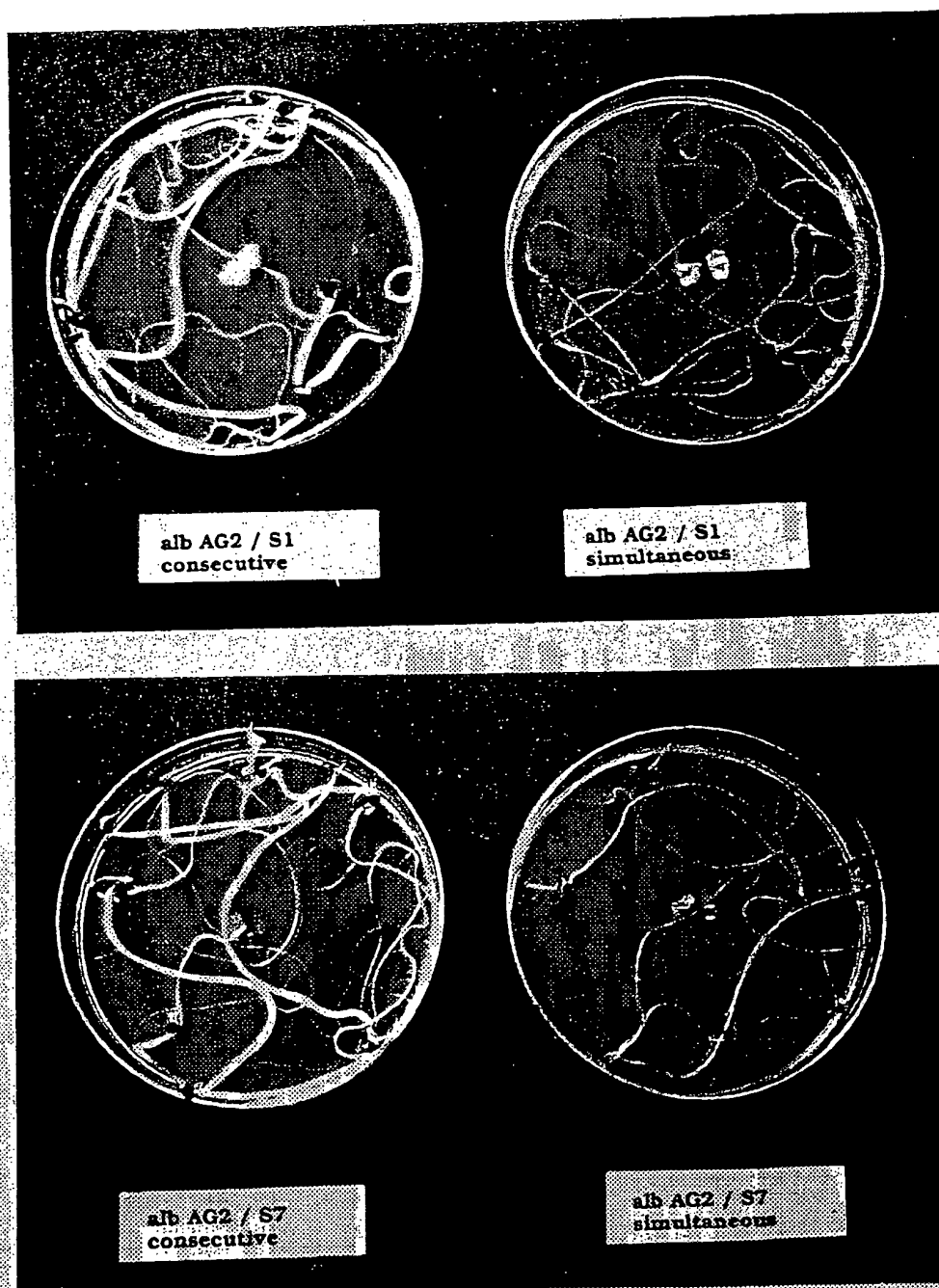


Fig. 34

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PROTECTION TEST 6

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain

(down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain

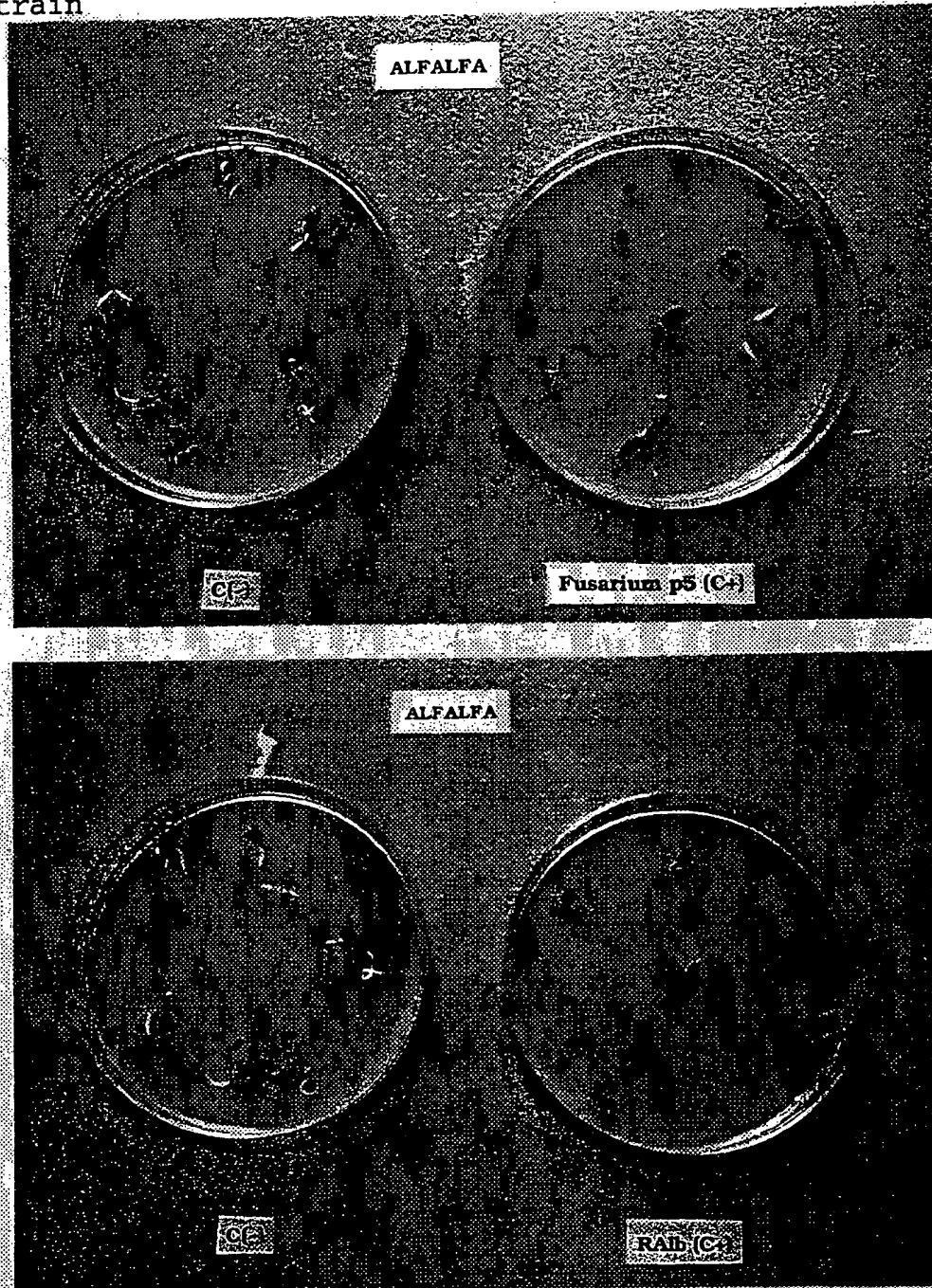


Fig. 35

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PROTECTION TEST 6

Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia meloni* 8.2 strain

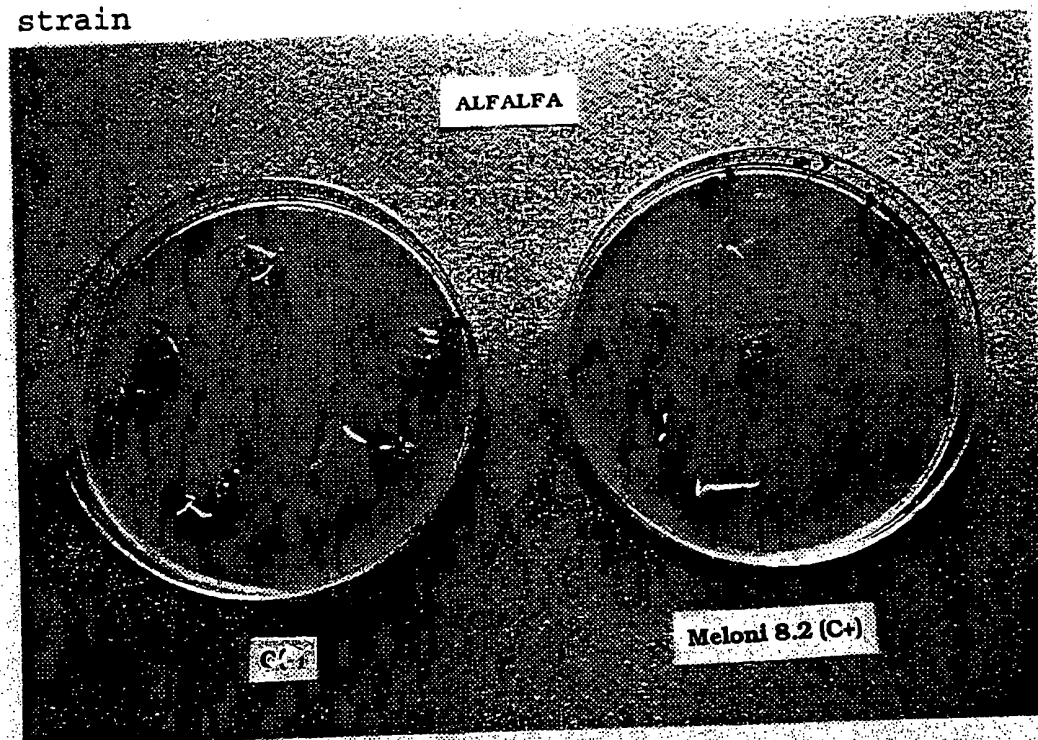


Fig. 36

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PROTECTION TEST 6

Protection of binucleate strains **S1** (up) and **S7** (down) from pathogenic *Rhizoctonia* **RAG2** strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

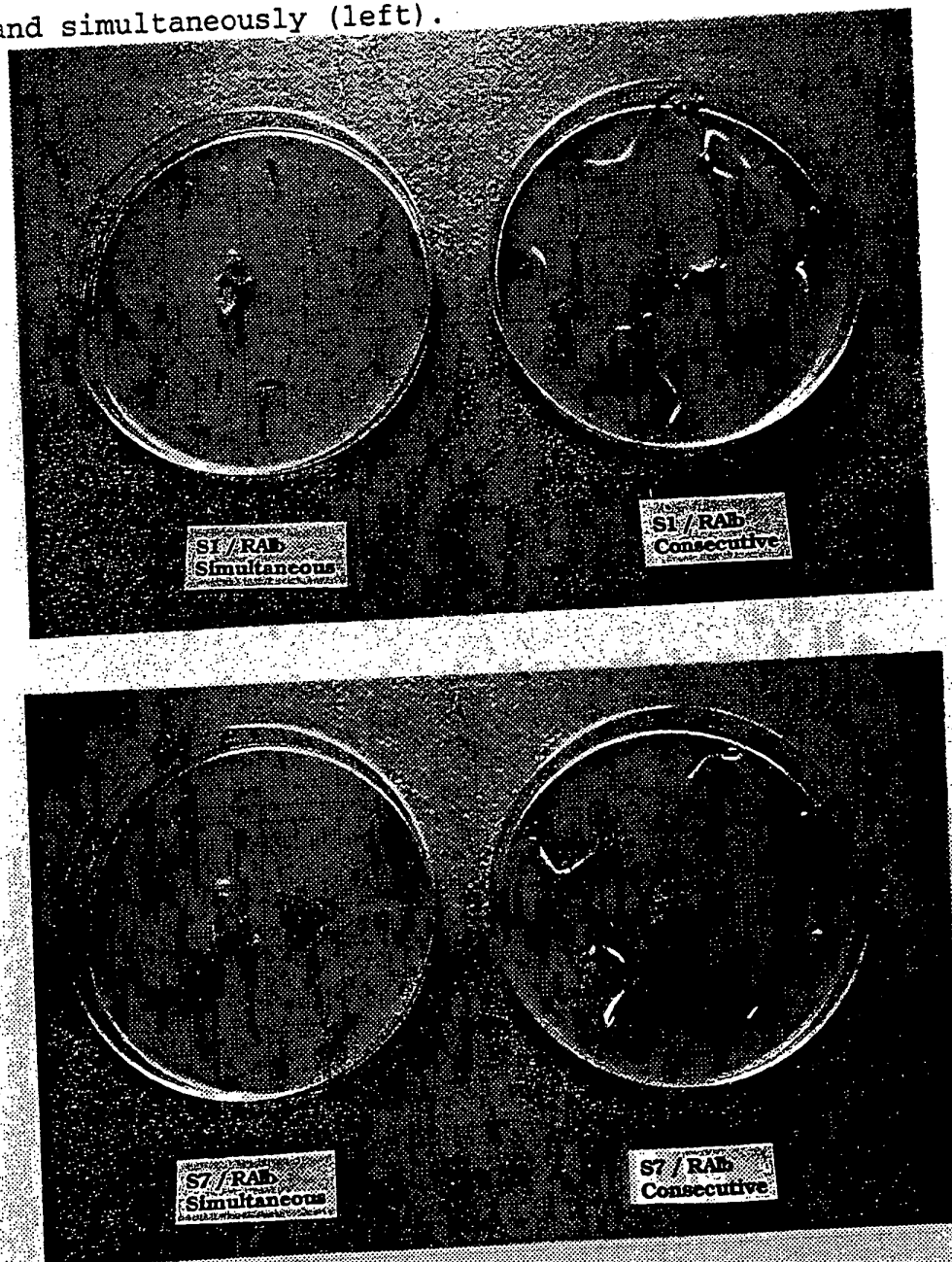


Fig. 37

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PROTECTION TEST 6

Protection of binucleate strains S1 (up) and S7 (down) from pathogenic *Rhizoctonia meloni* 8.2 strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

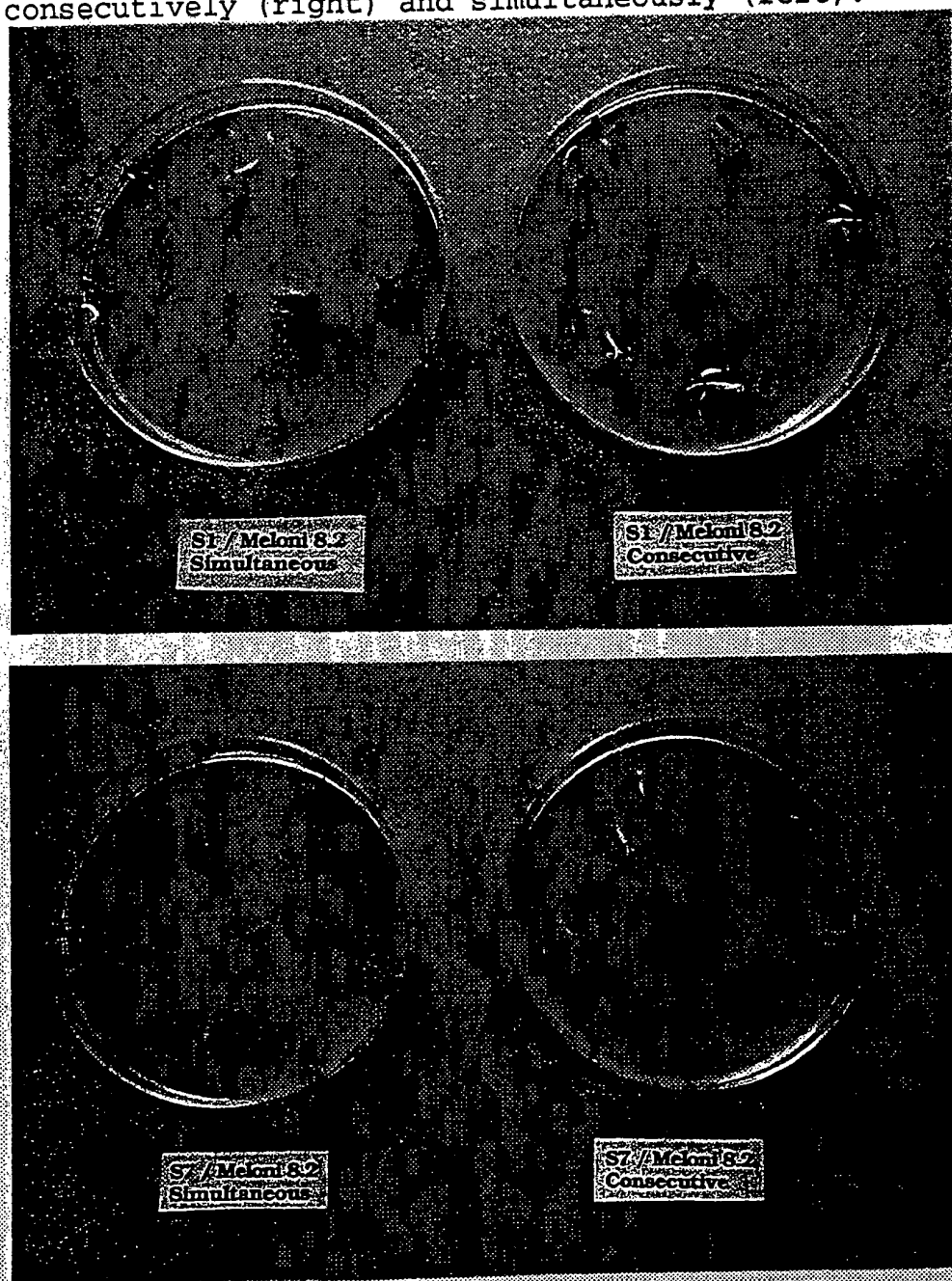


Fig. 38

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PROTECTION TEST 6

Protection of binucleate strains **S1** (up) and **S7** (down) from pathogenic *Fusarium* strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

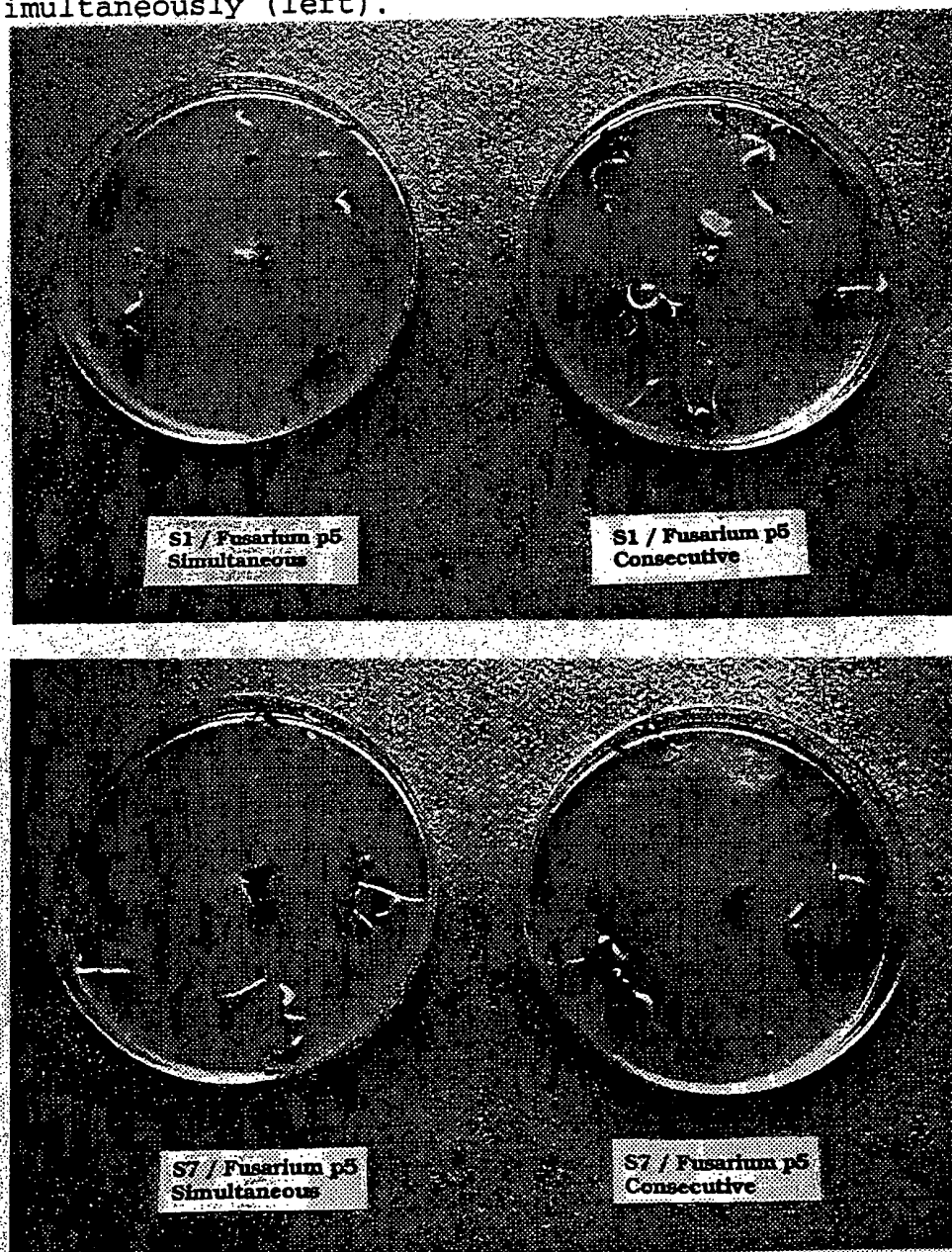


Fig. 39

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PROTECTION TEST 7

Negative control with non-sterilized garlic bulbs
(C-), infected with pathogenic *Penicillium* sp.
strain.

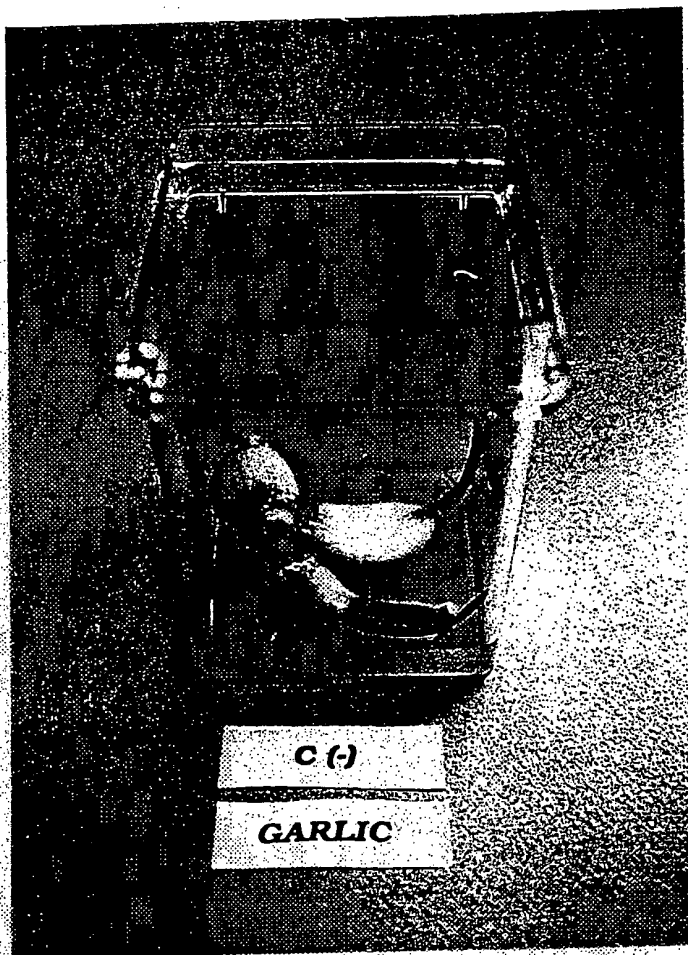


Fig. 40

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PROTECTION TEST 7

Protection of binucleate strains **F1** (up) and **S4** (down) from pathogenic *Penicillium* strain on garlic bulbs when applied directly on the surface of the bulb

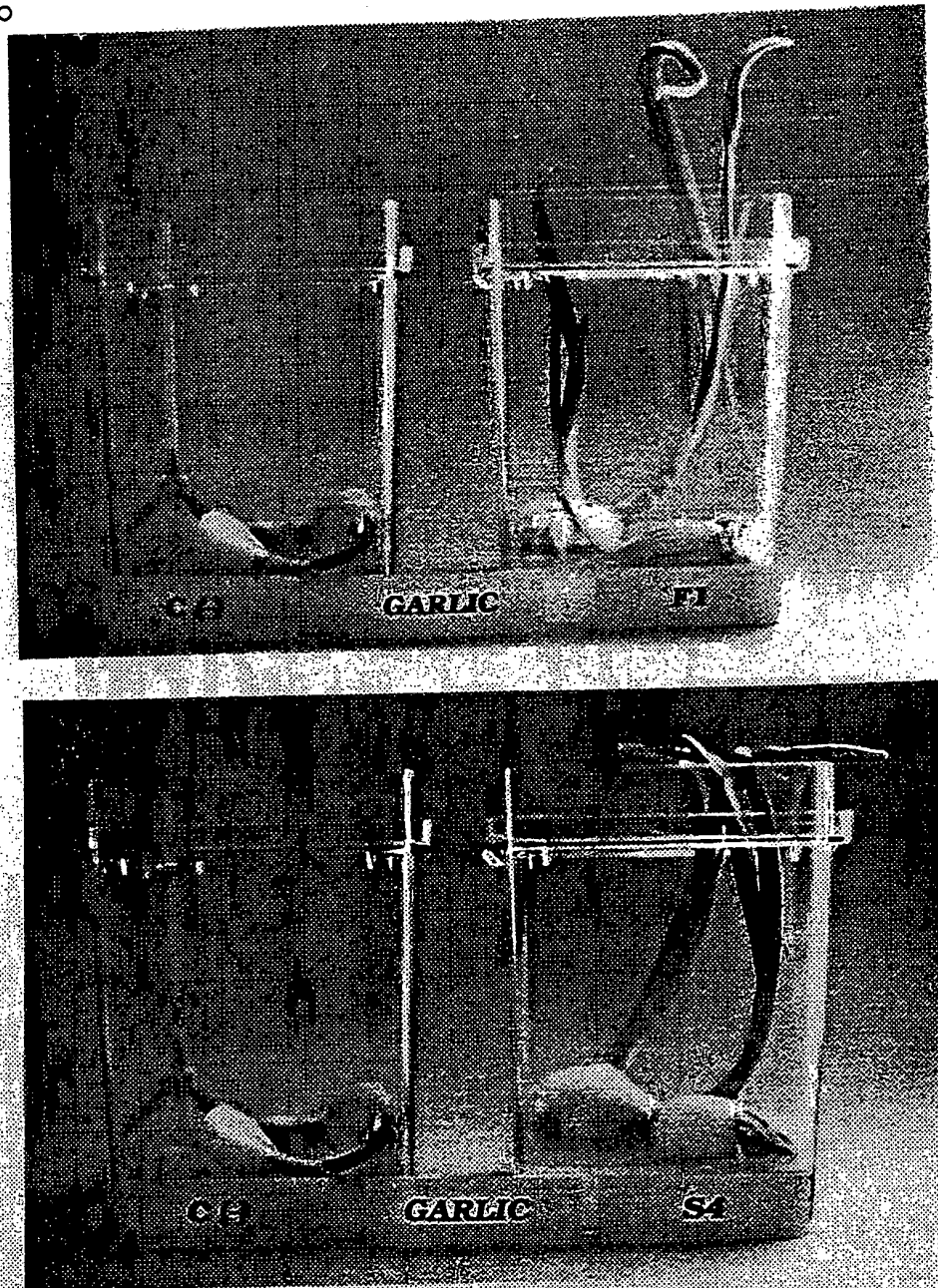


Fig. 41

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PROTECTION TEST 7

Protection of binucleate strains **F7** (up) and **S6** (down) from pathogenic *Penicillium* strain on garlic bulbs when applied directly on the surface of the bulb

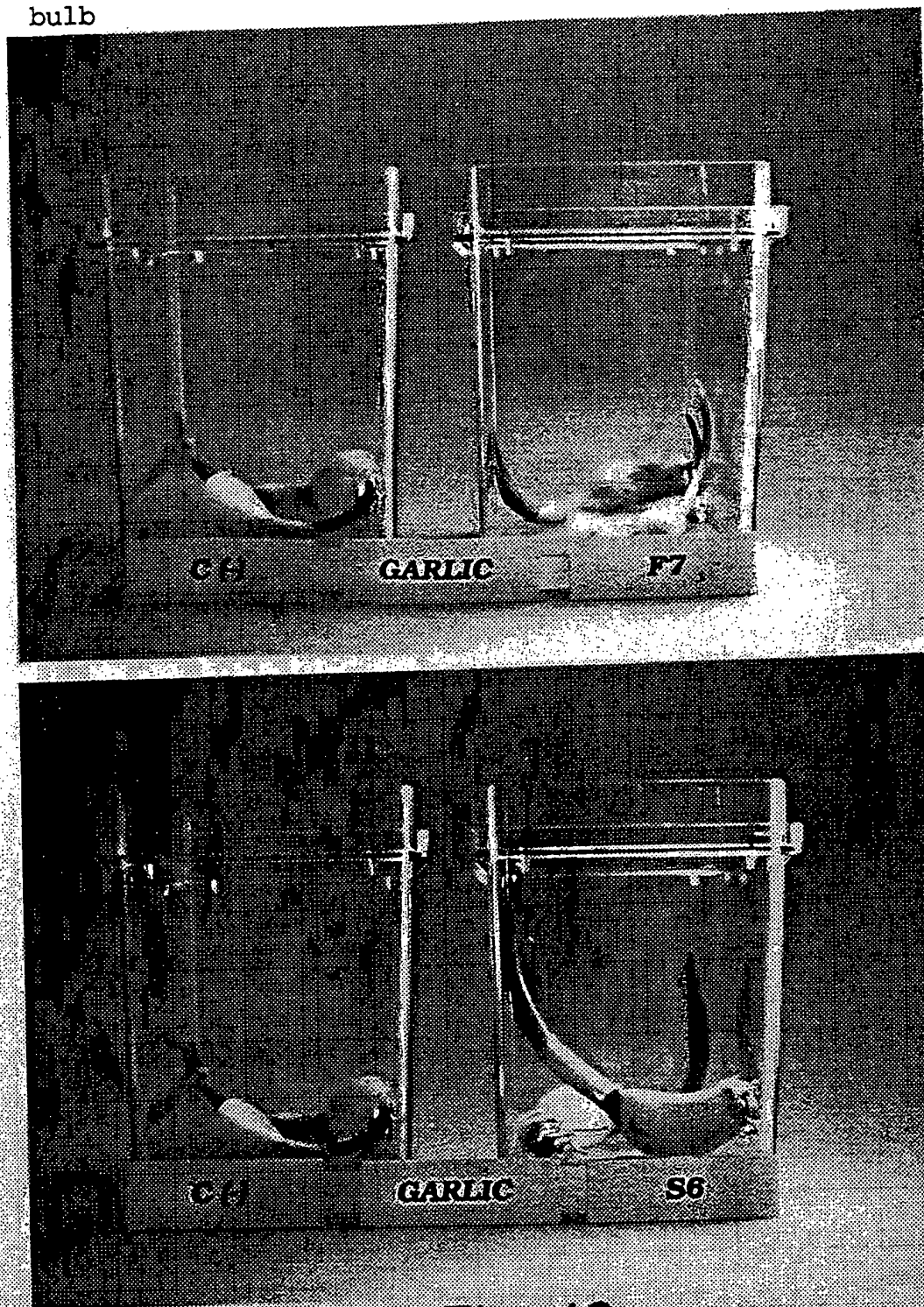


Fig. 42

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PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-F2** (down) from pathogenic *Fusarium* *sp.* strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

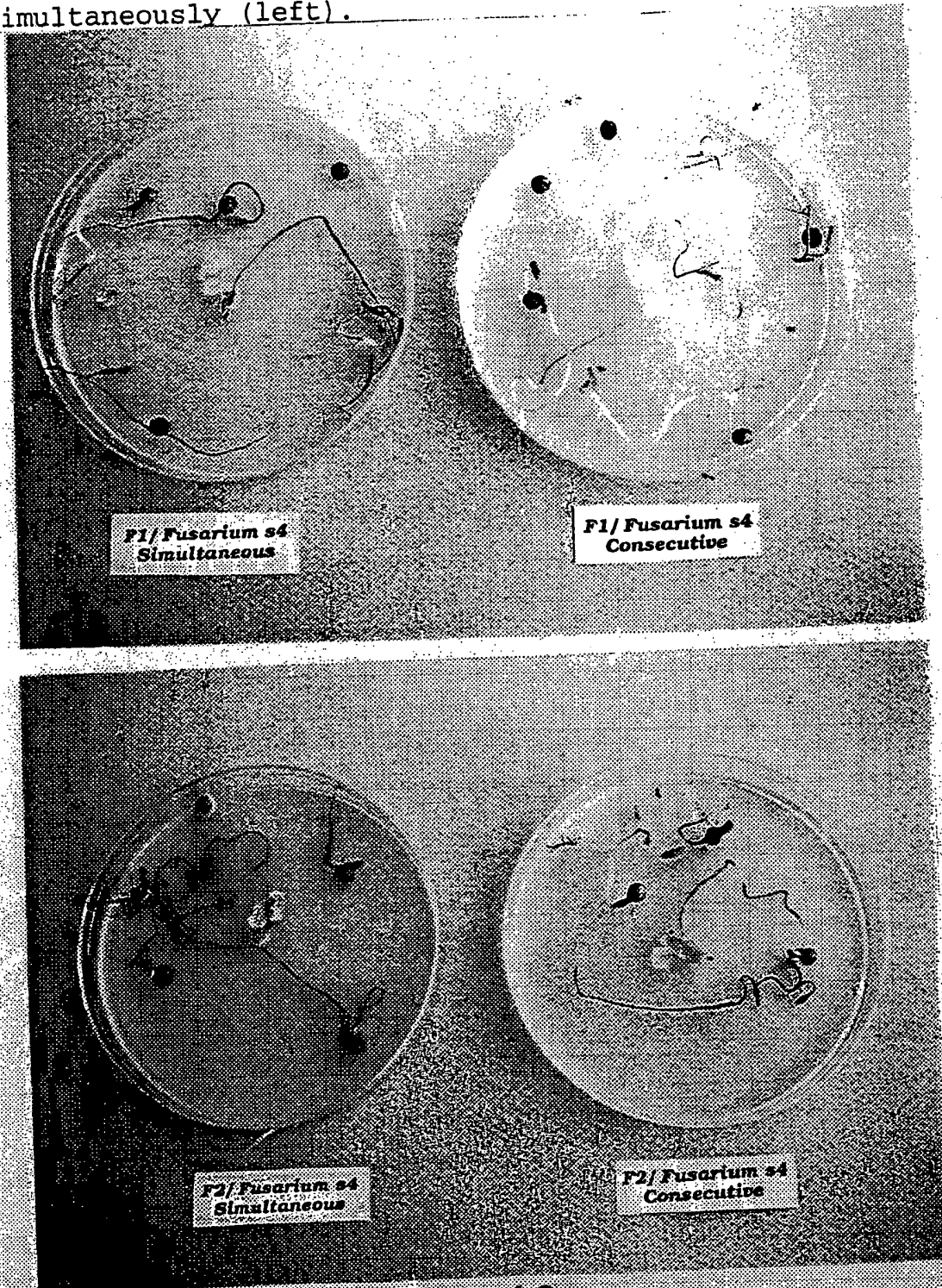


Fig. 43

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PROTECTION TEST 8

Negative control without fungus (C-), positive control with pathogenic *Fusarium sp.* strain

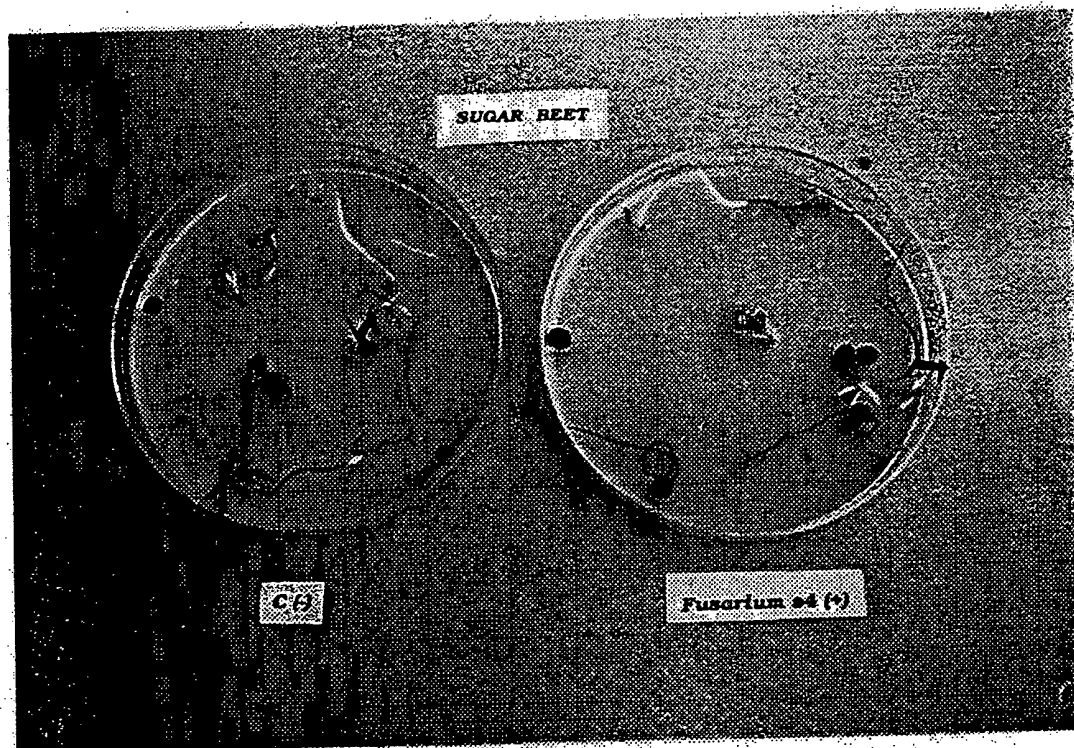


Fig. 44

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PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-F3** (down) from pathogenic **Rhizoctonia** **RAG2** strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

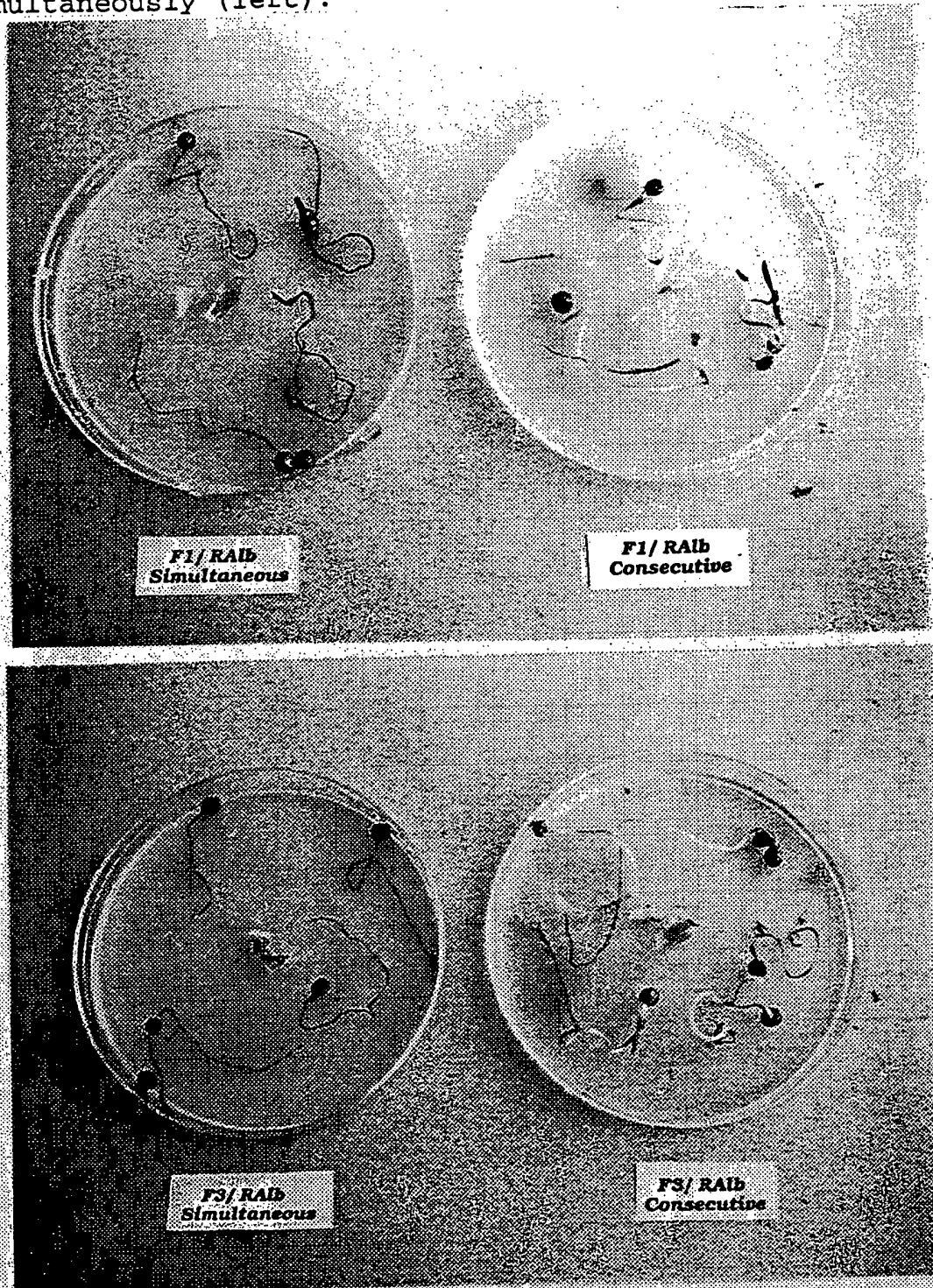


Fig. 45

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PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-S7** (down) from pathogenic **Rhizoctonia meloni** 8.2 strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

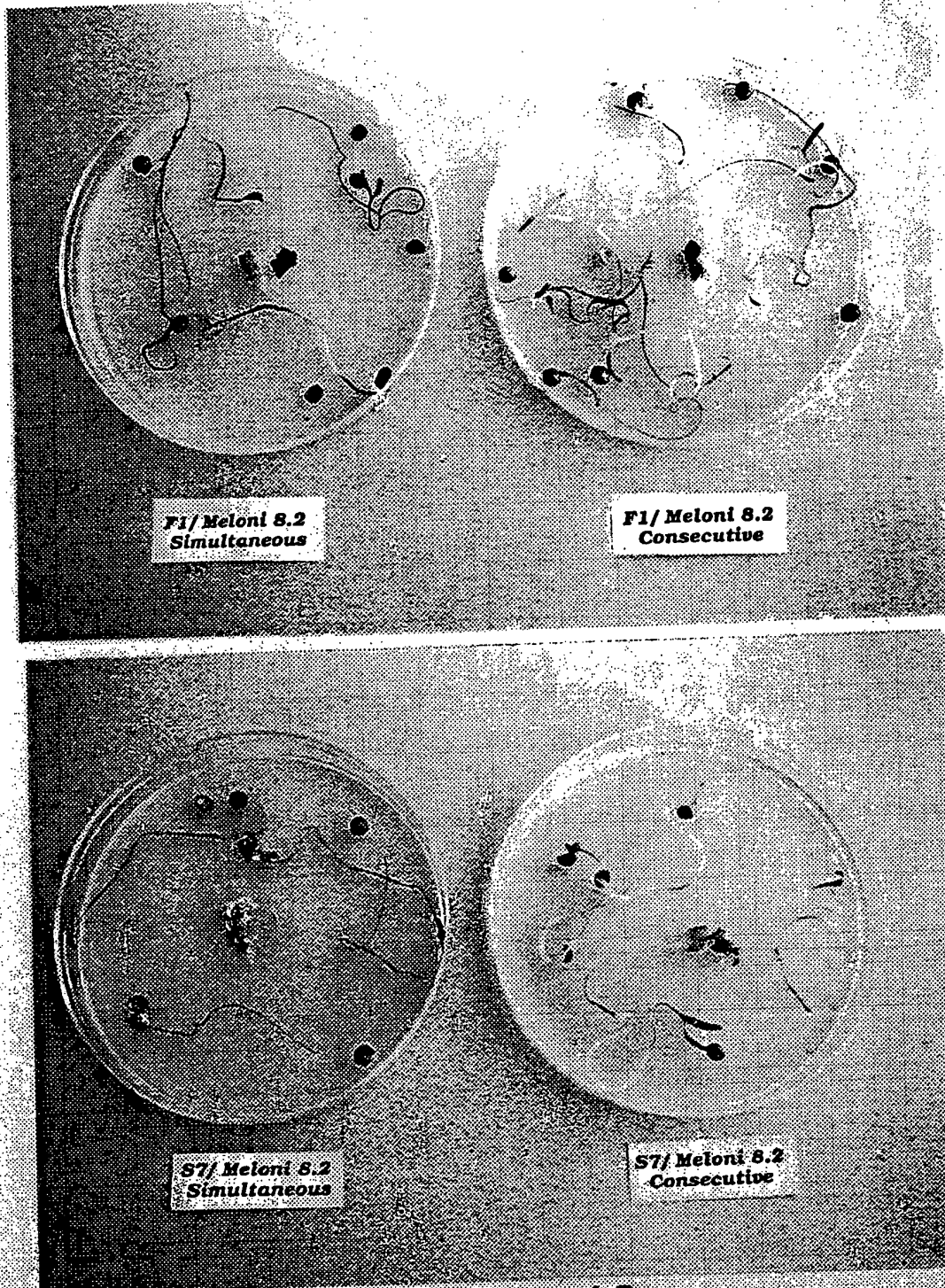


Fig. 46

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PROTECTION TEST 8

Protection of binucleate strains **Eab-S1** (up) and **Eab-S7** (down) from pathogenic **Rhizoctonia** **RA1b** strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

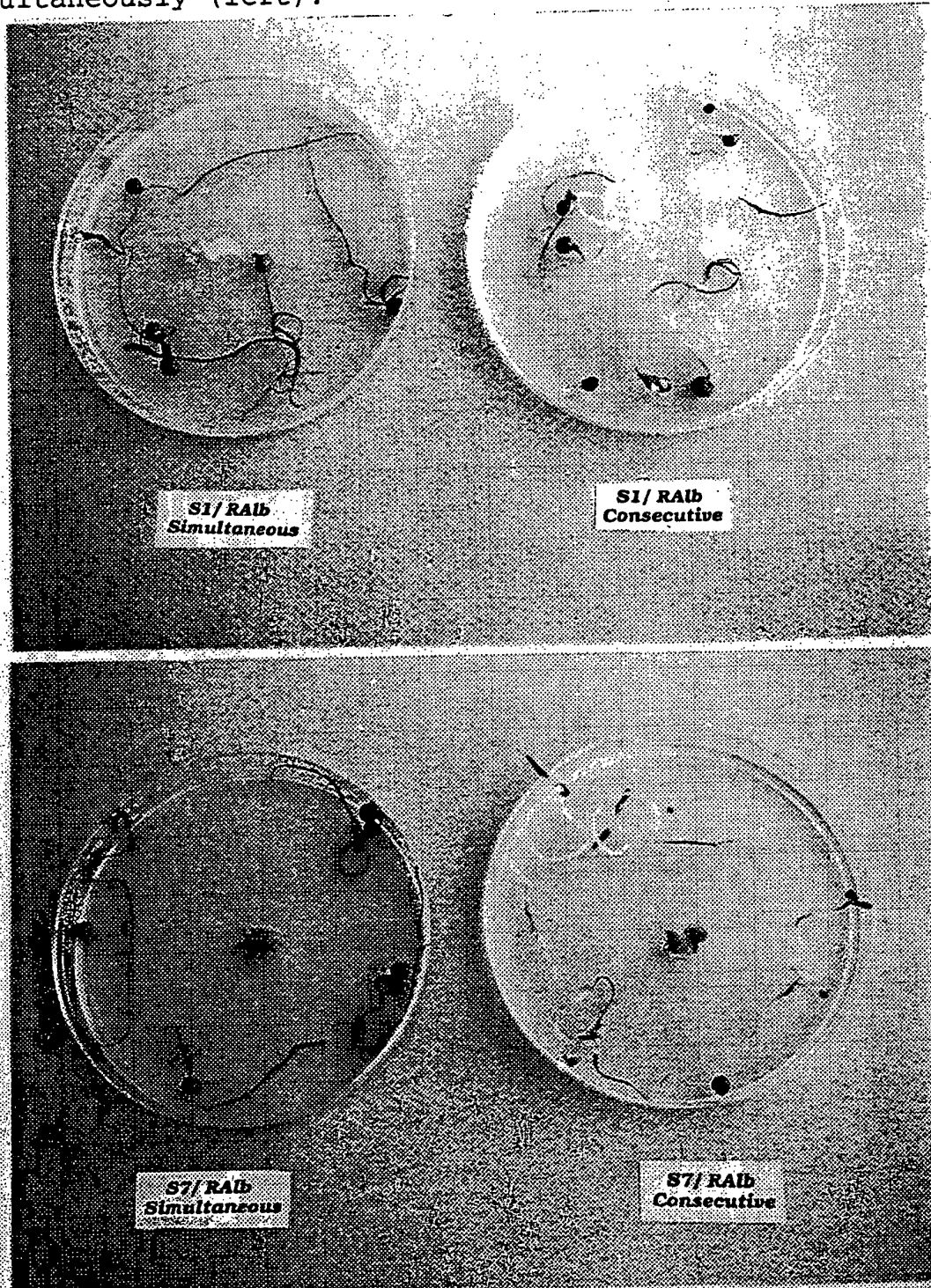


Fig. 47

SUBSTITUTE SHEET (RULE 26)

09744502.071301

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PROTECTION TEST 8

(Up) Negative control without fungus (C-), positive control with pathogenic strain Me 8.2. (Down) Negative control without fungus (C-), positive control with pathogenic strain *Rhizoctonia* RA1b.

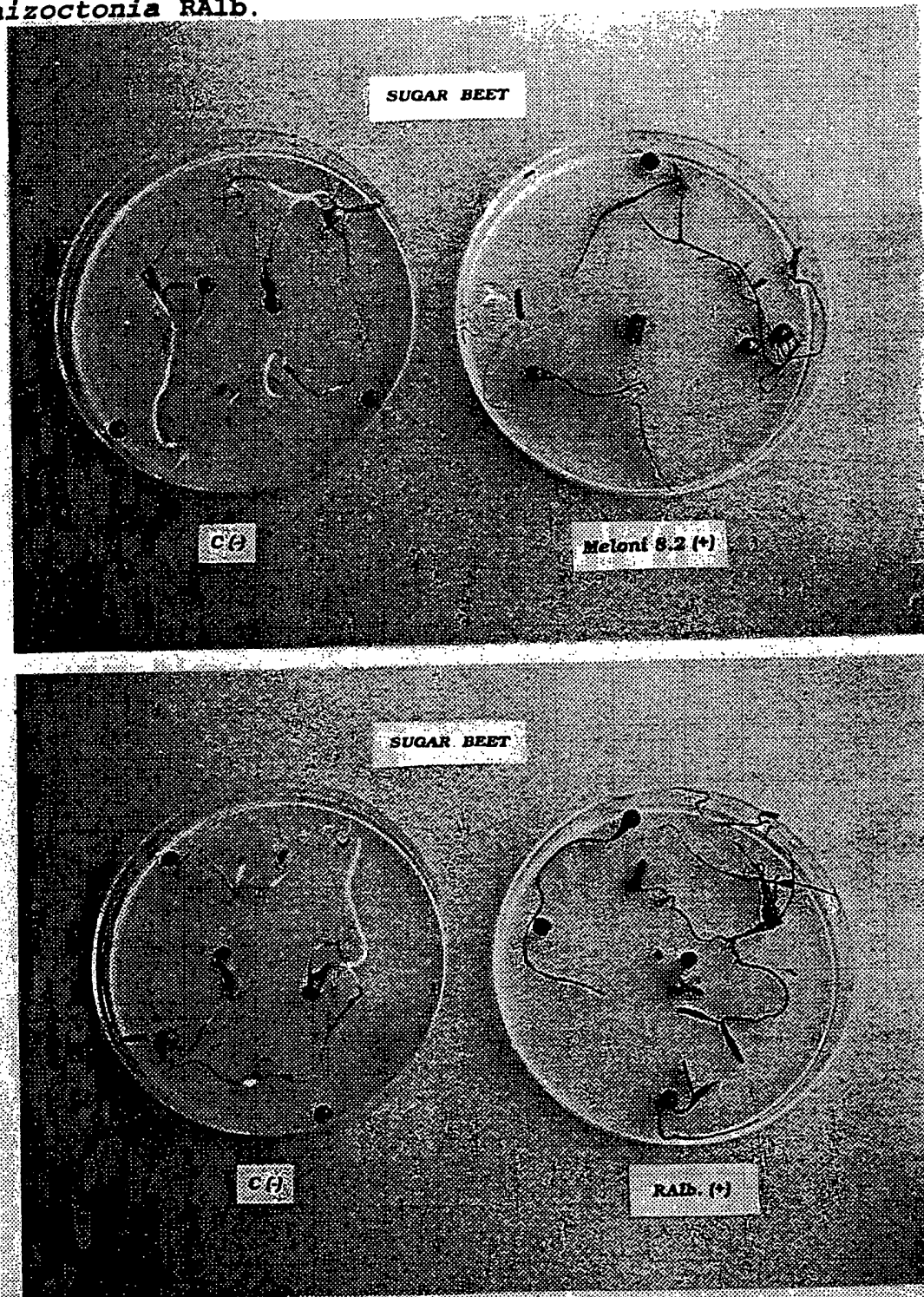



Fig. 48

SUBSTITUTE SHEET (RULE 26)

09744502-071301

PROTECTION TEST 9

usarium sp.



OTC

KAL

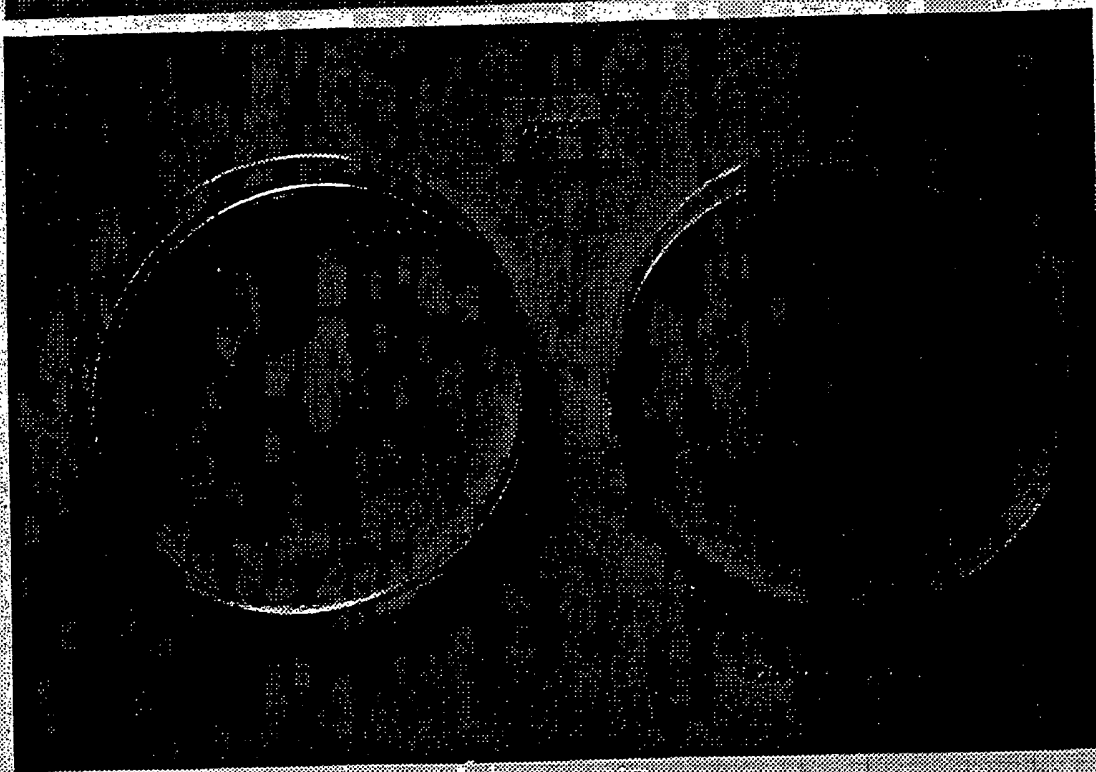


Fig. 49

[illegible]

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PROTECTION TEST 9

Negative control without fungus (C-), positive control with pathogenic strain Me 8.2.



Fig. 50

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PROTECTION TEST 9

Protection of binucleate strains **Eab-F1** (up) and **Eab-F6** (down) from pathogenic **Rhizoctonia RALb** strain on onion seedlings when applied consecutively (right) and simultaneously (left).



Fig. 51

09744502.071301

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PROTECTION TEST 9

Protection of binucleate strains **Eab-F3** (up) and **Eab-F6** (down) from pathogenic *Rhizoctonia* Me 8.2 strain on onion seedlings when applied consecutively (right) and simultaneously (left).

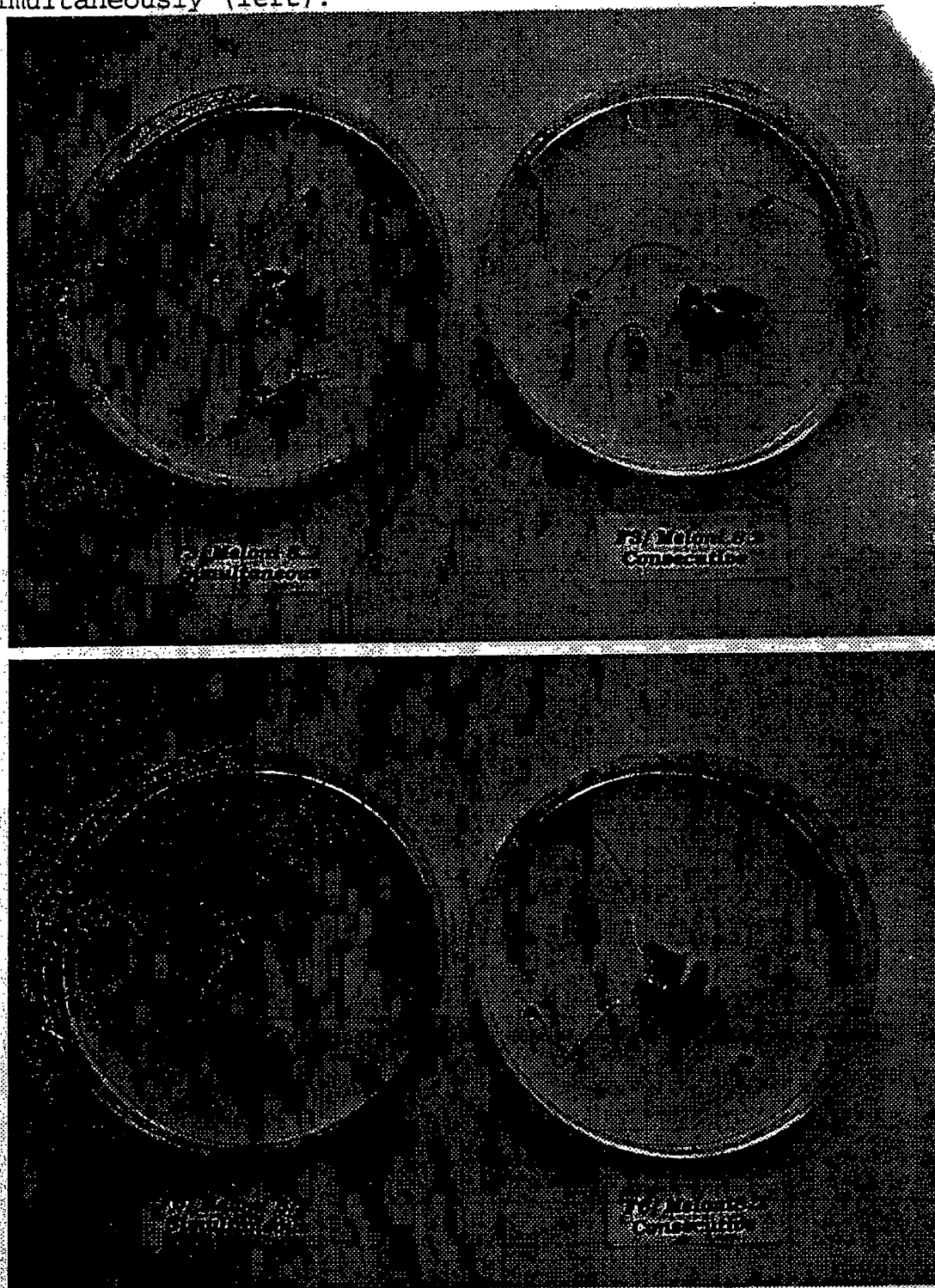


Fig. 52

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PROTECTION TEST 9

Protection of binucleate strains Eab-F3 (up) and Eab-F6 (down) from pathogenic *Fusarium* sp. strain on onion seedlings when applied consecutively (right) and simultaneously (left).

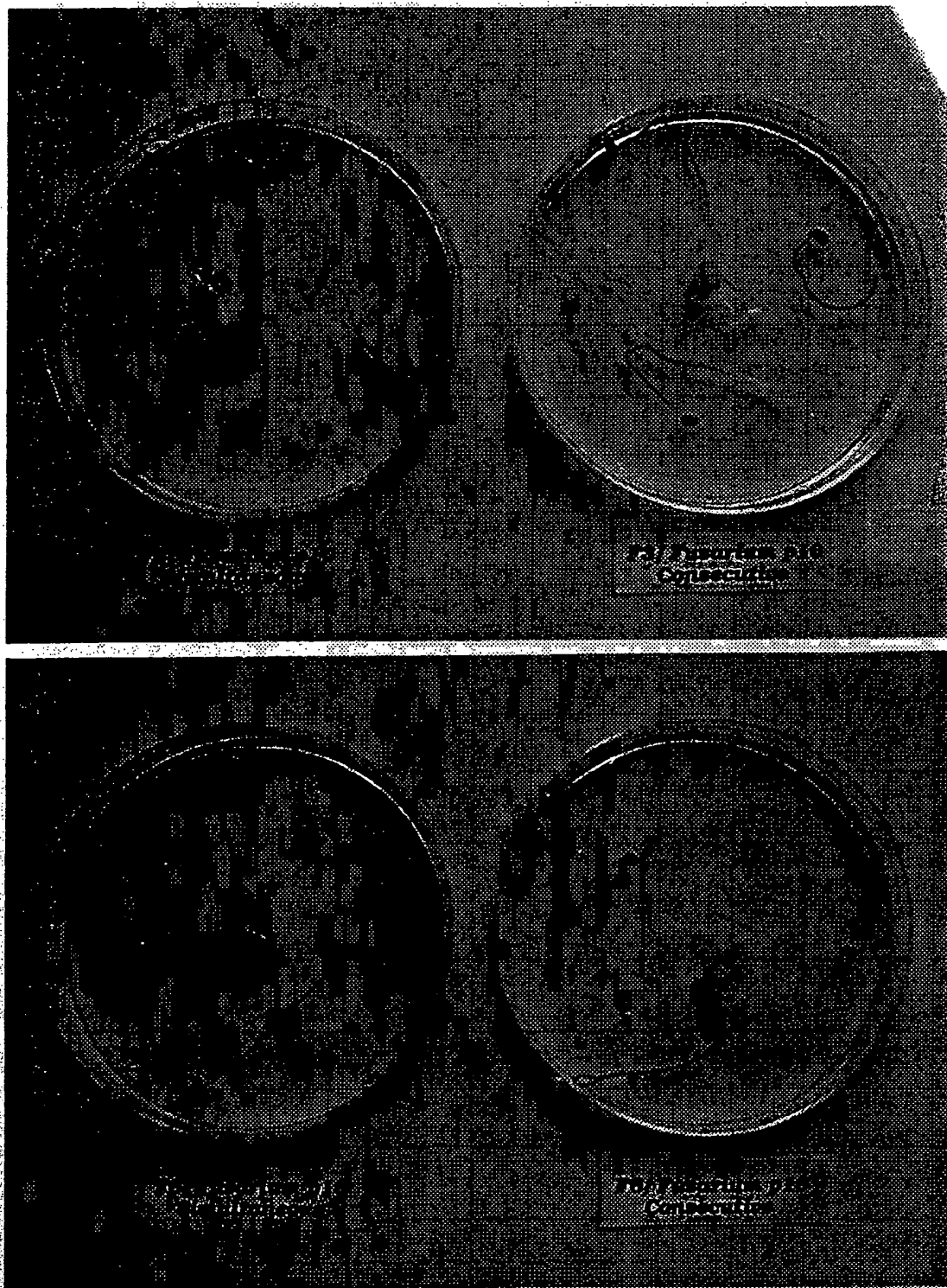


Fig. 53